



**MAC Protocol
Study Group
Rome, 8 – 10 April 2015**

EN

UNIDROIT 2015
Study 72K – SG2 – Doc. 3
Original: English
March 2015

**Descriptive summary of the preliminary list of HS codes for inclusion under the MAC
Protocol (as suggested by the Private Sector in 2014)**

(Prepared by the National Law Center for Inter-American Free Trade)

<i>Summary</i>	Descriptive table to assist the Study Group in determining the scope of the MAC Protocol.
<i>Action to be taken</i>	For discussion.
<i>Related documents</i>	<i>UNIDROIT 2015 – Study 72K – SG2 – Doc. 2</i>

Introduction

1. This Table contains a preliminary list of HS codes – 103 total – 97 of which had been identified by the industry for inclusion under the MAC Protocol and the additional 6 suggested by GE Mining since the first Study Group meeting.

2. The Table is set out in the following way:

- (a) The first column identifies the HS code and its name as included in the industry list.
- (b) The second column provides the full name of the relevant HS code, which for the most part have been abbreviated in the industry list.
- (c) The third column includes examples of the typical equipment types covered by the applicable HS code, focusing primarily on their use. Most of these examples and uses are based on the actual rulings of the U.S. Customs and Border Protection where exporters to the U.S. sought an HS classification of their products.
- (d) The fourth column includes a photo of one of the types of equipment covered by the applicable HS code.
- (e) The fifth and sixth columns includes some statistical information on the volume of trade for certain countries that import and export the relevant types of equipment covered under the applicable HS code. The statistical information included was sourced from two databases which are both publicly accessible on the Internet and easily searchable. These two databases are compiled by the

Government of Canada and the European Union. The purpose of including these figures is to illustrate how significant international trade is in relation to the identified HS codes. Unfortunately, at this stage, we are unable to provide median, minimum and maximum individual unit values for each code.

- (f) The final column provides some comments on potential issues for each HS code, specifically relating to affixable property, engines, parts and equipment that may have broader use outside MAC sectors.

3. It is anticipated that this document will be further refined over time, to improve descriptions and add additional trade data in relation to both the value of the global trade for each type of equipment as well as the approximate individual unit values.

4. The industry list contains HS codes that cover three types of MAC equipment: i) the actual equipment/machinery; ii) engines; and iii) other parts.

5. The following are the HS codes that cover engines: 840731, 840732, 840733, 840790, 840810, 840820, 840890, 840891, 840899, 841221, 841229, 841231, 841239, 841280, 850161, 850162, 850163, 850164, 850211, 850212, 850213, 850220.

6. The following are the HS codes that cover other parts: 820719, 841290, 841330, 841350, 841360, 841391, 841459, 843110, 843139, 843141, 843142, 843143, 843149, 843221, 843290, 843390, 847490, 847990, 848310, 850300, 870790, 870870.

7. Accordingly, the industry list of 103 HS codes contains: i) 56 HS Codes that cover machinery; ii) 22 HS Codes that cover engines; and iii) 25 HS Codes that cover parts.

	Private Industry Name	Actual Name	Examples and uses	Images	Import statistics for Canada 2013 (CID) (\$CDN)	Import Statistics for European Union in 2013 (€)	Comments
1	820713--RCK DRLNG EARTH BORNG TLS WRKNG PT CERMETS, & PTS	Rock drilling or earth boring tools, and parts thereof: 820713 --With working part of cermets	Machines used for tunnel boring (i.e. build tunnels) and parts utilized both in the construction and mining industries.	<p>Earth boring machine:</p>  <p>Rock drilling machine in a mine:</p> 	<p>\$ 93,423,503 in imports.</p> <p>4 major Canadian importers.</p> <p>Major exporters: China, Germany and the U.S.</p>	<p>€ 36,459,073 in imports to the 28 E.U. members.</p> <p>Major exporters: Australia, China, India, Russia, South Africa, Norway, etc.</p>	<ul style="list-style-type: none"> The Explanatory Notes to Chapter 82.07 (covering this type of equipment) notes that 'this heading covers an important group of tools which are unsuitable for use independently, but are designed to be fitted [into other types of equipment].
2	820719-- INTERCHANGE ABLE TOOLS FOR HAND OR MACHINES;& PARTS	820719 —Other, including parts:	Parts of rock drills and earth boring tools.	<p>Part of earth boring machine:</p> 	<p>\$ 262,244,986 in imports.</p> <p>22 major Canadian importers.</p> <p>Major exporters: China, India, Ireland, Italy, Japan, Russia, Taiwan, Turkey, the U.S.,</p>	<p>€ 152,343,451 in imports to the 28 E.U. members.</p> <p>Major exporters: Australia, Canada, China, India, Japan, Republic of Korea, Mexico, Norway, Russia, South Africa, etc.</p>	<ul style="list-style-type: none"> This HS code appears to cover parts. The Explanatory Notes to Chapter 82.07 (covering this type of equipment) notes that 'this heading covers an important

					the U.K.		group of tools which are unsuitable for use independently, but are designed to be fitted [into other types of equipment].
3	840731--SPRK-IGN PISTON ENG F VEH EX RAILWAY NOT OVR 50 CC	Reciprocating piston engines of a kind used for the propulsion of vehicles of chapter 87 (Tractors and other vehicles): 840731 -- Of a cylinder capacity not exceeding 50 cc	Includes engines that may be used in the manufacture of other machines (e.g. motorized scooters)	Piston engine: 	No data available for this item.	€ 5,448,479 in imports to the 28 E.U. members. Major Exporters: China, Japan, Taiwan, and United States.	<ul style="list-style-type: none"> This HS code appears to cover engines. Given the small size, power and low total value of EU imports, equipment in this category may not have sufficient value for inclusion in the MAC Protocol.
4	840732-- SPARK-IGNTN RECPRCTNG PISTN ENGINE ETC NOV 250CC	Reciprocating piston engines of a kind used for the propulsion of vehicles of chapter 87 (Tractors and other vehicles): 840732 -- Of a cylinder capacity exceeding 50 cc but not exceeding 250 cc	Same as above but higher capacity.	ATV engine: 	\$ 1,038,779 in imports. 11 major Canadian importers. Major exporters: United States.	€ 8,760,274 in imports to the 28 E.U. members. Major exporters: China and Thailand.	<ul style="list-style-type: none"> This HS code appears to cover engines. Given the small size, power and low total value of EU imports, equipment in this category may not have sufficient value for inclusion in the MAC Protocol.

5	840733-- SPARK-IGNITN RECRCTNG PISTN ENG ETC >250 NOV1000CC	Reciprocating piston engines of a kind used for the propulsion of vehicles of chapter 87 (Tractors and other vehicles): 840733 -- Of a cylinder capacity exceeding 250 cc but not exceeding 1,000 cc	Same as above but higher capacity.	Arctic cat engine: 	No data available for this item.	€ 109,294,058 in imports to the 28 E.U. members. Major exporters: China, India, Japan, Taiwan, and United States.	<ul style="list-style-type: none"> • This HS code appears to cover engines. • The larger capacity of this engine and significantly larger total import EU value may indicate that individual unit prices may be high enough to warrant inclusion.
6	840790-- SPARK-IGNITN RCPRCTNG/RO TARY INT COMBSTN ENG, NESOI [Not Elsewhere Specified or Indicated]	840790 -- Other engines	Other engines that may be installed in agricultural and horticultural machinery.	Horticultural machine engine: 	\$ 155,017,415 in imports. 13 major Canadian importers. Major exporters: China, Japan, Taiwan, the U.S., and the U.K.	€ 385,843,330 in imports to the 28 E.U. members. Major exporters: China, Japan, Kenya, Rusia, Switzerland, Thailand, and United States.	<ul style="list-style-type: none"> • This HS code appears to cover engines.
7	840810-- MARINE COMPRESS- IGNIN COMBUSTION PISTON ENGINE ETC	840810 -- Marine propulsion engines	Marine propulsion engines that power vessels.	CAT marine propulsion engine: 	\$ 26,300,622 in imports. 14 major Canadian importers. Major exporters: Japan and the U.S.	€ 192,334,884 in imports to the 28 E.U. members. Major exporters: China, India, Japan, Republic of Korea, Norway, and United States.	<ul style="list-style-type: none"> • This HS code appears to cover engines.

8	840820-- COMPRESSION -IGNTN INT COMBUSTION PISTON ENGINE ETC	840820 -- Engines of a kind used for the propulsion of vehicles of chapter 87 (Tractors and other vehicles):	Includes engines that may be power tractors suitable for agricultural use.	Tractor engine: 	\$ 361,182,454 in imports. 10 major Canadian importers. Major exporters: China, South Korea, Sweden, the U.S., and the U.K.	€ 529,355,028 in imports to the 28 E.U. members. Major exporters: Belarus, China, India, Japan, Republic of Korea, Mexico, Russia, Switzerland, Turkey, and United States.	<ul style="list-style-type: none"> This HS code appears to cover engines.
9	840890-- COMPRESSION -IGNTN INT COMBUSTION PISTON ENG, NESOI	840890 -- Other engines:	Includes engines other than those utilized to power vessels and agricultural/horticultural machinery under the preceding two codes.	Mining equipment engine: 	\$ 306,703,581 in imports. 15 major Canadian importers. Major exporters: China, Germany, Italy, Japan, the U.S.	€ 1,181,905,738 in imports to the 28 E.U. members Major exporters: Brazil, Canada, China, Japan, Mexico, Norway, Switzerland, Turkey, and United States.	<ul style="list-style-type: none"> This HS code appears to cover engines.
10	840991-- SPARK- IGNITION INT COMBUSTION PISTON ENG PTS NESOI	Other[Parts]: 840991 -- Suitable for use solely or principally with spark-ignition internal combustion piston engines (including rotary engines)	Includes spark ignition engines that may be used to power vessels, vehicles and machinery.	Rotary engine parts: 	\$ 1,409,725,049 in imports. 5 major Canadian importers. Major exporters: Argentina, Australia, Belgium, Denmark, France, Indonesia, Malaysia, etc.	€ 1,699,654,948 in imports to the 28 E.U. members. Major exporters: Argentina, Australia, Bosnia and Herzegovina, Brazil, Canada, China, India, etc.	<ul style="list-style-type: none"> This HS code appears to cover parts.
11	840999-- SPARK- IGNITION	840999 — Other[Parts]:	Includes engines that may be used to	Construction machinery engine:	\$ 523,385,943 in imports.	€ 3,268,560,123 in imports to the 28 E.U. members.	<ul style="list-style-type: none"> This HS code appears to cover engines.

	RECIPROCATING INTERNAL COMBUSTION ENGINES		power construction machinery.		20 major Canadian importers. Major exporters: Australia, Belgium, Brazil, Finland, Hungary, Mexico, Norway, Poland, etc.	Major exporters: Argentina, Australia, Belarus, Bosnia and Herzegovina, Brazil, Dominican Republic, Egypt, Japan, India, Mexico, Switzerland, United States, etc.	
12	841221--HYDRAULIC POWER ENGINES AND MOTORS, LINEAR ACTING	Hydraulic power engines and motors: 841221-- Linear acting (cylinders)	Includes engines that may be used to provide the force to operate the control valves of a steam turbine.	Steam turbine engine: 	\$ 181,412,070 in imports. 96 major Canadian importers. Major exporters: Iran, Ireland, the Netherlands, Poland, Spain.	€ 333,973,920 in imports to the 28 E.U. members. Major exporters: Australia, Brazil, China, Indonesia, Republic of Korea, Malaysia, Mexico, Philippines, etc.	<ul style="list-style-type: none"> This HS code appears to cover engines.
13	841229--HYDRAULIC POWER ENGINES & MOTORS EXCEPT LINEAR ACTING	Hydraulic power engines and motors: 841229-- Other	Includes hydrojets (thrusters) that are basically high capacity pumps which draw water into through a special intake, and discharge it at enhanced pressure through a steerable nozzle. They are fast becoming an alternative means of vessel propulsion.	Industrial high capacity pump: 	\$ 184,626,336 in imports. 80 major Canadian importers. Major exporters: Austria, China, Czech Republic, South Korea, Mexico, Poland, Slovakia, etc.	€ 258,291,099 in imports to the 28 E.U. members. Major exporters: Australia, Canada, China, India, Israel, Japan, New Zealand, Norway, etc.	<ul style="list-style-type: none"> This HS code appears to cover engines.

14	841231-- PNEUMATIC POWER ENGINES AND MOTORS, LINEAR ACTING	Pneumatic power engines and motors: 841231-- Linear acting (cylinders)	Engines that may be used for a wide range of mechanical applications, including machine tools, hoists and davits, farm machinery, construction equipment, robotics, and other industrial machines.	Air car engine: 	\$ 61,377,289 in imports. 70 major Canadian importers. Major exporters: Austria, China, Netherlands, Switzerland, Italy United States, etc.	€ 117,036,028 in imports to the 28 E.U. members. Major exporters: Australia, China, India, Japan, Mexico, Norway, etc.	<ul style="list-style-type: none"> This HS code appears to cover engines.
15	841239-- PNEUMATIC POWER ENGINES & MOTORS EX LINEAR ACTING	Pneumatic power engines and motors: 841239-- Other	Engines that include air driven motors used to start an engine on a dump truck.	Air-powered motor: 	\$ 54,393,965 in imports. 32 major Canadian importers. Major exporters: China, Germany, India, Mexico, Taiwan, UK, U.S., etc.	€ 52,016,587 in imports to the 28 E.U. members. Major exporters: Brazil, China, India, Japan, Malaysia, Singapore, Turkey, United States, etc.	<ul style="list-style-type: none"> This HS code appears to cover engines.
16	841280-- ENGINES AND MOTORS, NESOI	841280-- Other engines and motors:	Engines, including a spring-operated mechanism, which is part of an operating mechanism incorporating several components for use with a high voltage circuit breaker (the spring-operated mechanism is the only part of the operating	Spring-operated brake: 	\$ 33,586,284 in imports. 12 major Canadian importers. Major exporters: Netherlands, Sweden, Taiwan, U.S.	€ 48,303,176 in imports to the 28 E.U. members Major exporters: China, Israel, Norway, Switzerland, and United States.	<ul style="list-style-type: none"> This HS code appears to cover parts.

			mechanism at issue herein).				
17	841290-- ENGINE AND MOTOR PARTS, NESOI	841290 -- Parts	Parts of engines, including stainless steel distance sleeves that are used in marine propulsion systems.	Distance sleeves: 	\$ 735,609,631 in imports. 9 major Canadian importers. Major exporters: Australia, China, Finland, India, Italy, Mexico, New Zealand, Slovakia, Taiwan, etc.	€ 48,303,176 in imports to the 28 E.U. members Major exporters: Brazil, Canada, China, India, Israel, Republic of Korea, Malaysia, etc.	<ul style="list-style-type: none"> This HS code appears to cover parts.
18	841330--FUEL, LUB/COOLING MED PUMPS FOR INT COMB PISTN ENG	841330 -- Fuel, lubricating or cooling medium pumps for internal combustion piston engines	Pumps, including i) components of the fuel delivery system for a fuel-injected diesel internal combustion engine, and ii) a high pressure fuel pump for use with fuel injected engines of the type used in small unmanned aircraft and are designed to be fitted to small internal combustion engines.	High pressure fuel pump: 	\$ 395,870,277 in imports. 26 major Canadian importers. Major exporters: Austria, Brazil, China, Czech Republic, India, Mexico, Romania, Spain, Turkey, UK, etc.	€ 546,398,355 in imports to the 28 E.U. members. Major exporters: Argentina, Bosnia and Herzegovina, Brazil, Canada, China, India, Republic of Korea, Mexico, etc.	<ul style="list-style-type: none"> This HS code appears to cover parts. Certain equipment under this HS code may require affixation to immovable property in order to operate.
19	841340-- CONCRETE PUMPS	841340 -- Concrete pumps	Machine such as a chassis mounted concrete pump with an attached extendible boom used to pump concrete through pipes for the	Truck-mounted concrete pump: 	\$ 31,785,370 in imports. 8 major Canadian importers. Major exporters: United States.	€ 8,930,362 in imports to the 28 E.U. members. Major exporters: China and United States.	<ul style="list-style-type: none"> Certain equipment under this HS code may require affixation to immovable property in

			construction industry.				order to operate.
20	841350-- RECIPROCATING POSITIVE DISPLACEMENT PUMPS, NESOI	841350 - Other reciprocating positive displacement pumps	Includes a sucker pump used for pumping the stratum liquid out of an oil well.	Reciprocating positive displacement pump: 	\$ 375,301,734 in imports. 93 major Canadian importers. Major exporters: China, India, Italy, Mexico, Sweden, Slovakia, UK, U.S., etc.	€ 345,672,469 in imports to the 28 E.U. members. Major exporters: Canada, China, Hong Kong, India, Japan, Republic of Korea, Switzerland, etc.	<ul style="list-style-type: none"> Certain equipment under this HS code may require affixation to immovable property in order to operate.
21	841360-- ROTARY POSITIVE DISPLACEMENT PUMPS, NESOI	841360 -- Other rotary positive displacement pumps	Includes water pumps that are used to provide cooling circulation for the hydraulic pumps. Electric motors are used to provide power to the pumps.	Positive displacement rotary pump: 	\$ 342,134,056 in imports. 102 major Canadian importers. Major exporters: Austria, China, Denmark, India, Italy, Hungary, Mexico, Slovakia, Turkey, etc.	€ 282,143,524 in imports to the 28 E.U. members. Major exporters: Canada, China, Brazil, India, Japan, Republic of Korea, Mexico, Switzerland, Turkey, United States, etc.	<ul style="list-style-type: none"> Certain equipment under this HS code may require affixation to immovable property in order to operate.
22	841391--PARTS OF PUMPS FOR LIQUIDS	Parts: 841391 -- Of pumps	Parts of Pumps, including those that primary function is to provide reinforcement in the master cylinder of an automobile's brake booster.	Pump part: 	\$ 954,032,696 in imports. 106 major Canadian importers. Major exporters: China, Czech Republic, India, Israel, Mexico, Netherlands, Russia, Slovakia, Spain, etc.	€ 1,186,915,630 imports to the 28 E.U. members. Major exporters: Azerbaijan, Bosnia and Herzegovina, Brazil, Canada, Egypt, India, Indonesia, Japan, etc.	<ul style="list-style-type: none"> This HS code appears to cover parts. Certain types of equipment under this HS code may require affixation to immovable property in order to operate.

23	841459--FANS, NESOI	Fans: 841459-- Other	Fans, including heater blowers and heater cores that may be used to distribute heat throughout the vehicle's passenger compartment in the form of heated air.	<p>Tractor fan:</p> 	<p>\$ 351,458,587 in imports.</p> <p>305 major Canadian importers.</p> <p>Major exporters: Belgium, China, Denmark, Hungary, Italy, Japan, Mexico, Netherlands, Philippines, Thailand, Turkey, etc.</p>	<p>€ 488,206,740 in imports to the 28 E.U. members.</p> <p>Major exporters: Canada, China, Hong Kong, India, Indonesia, Israel, Japan, Malaysia, Mexico, etc.</p>	<ul style="list-style-type: none"> This HS code appears to cover parts.
24	842481-- AGRICULTURAL OR HORTICULTURAL MECH SPRAYERS ETC	Other appliances: 842481— Agricultural or Horticultural	Generally, mechanical appliances, including machines that are used for different purposes that can be connected and disconnected from tractors.	<p>Agricultural or horticultural appliance (sprayer):</p> 	<p>\$ 137,497,736 in imports.</p> <p>72 major Canadian importers.</p> <p>Major exporters: China, Mexico, Italy, Denmark, Netherlands, Taiwan, U.S., etc.</p>	<p>€ 144,860,371 in imports to the 28 E.U. members.</p> <p>Major exporters: Brazil, Canada, China, Dominican Republic, Israel, Mexico, Saudi Arabia, Turkey, etc.</p>	<ul style="list-style-type: none"> This HS code applies specifically to mechanical appliances for projecting, dispersing or spraying liquids for agricultural or horticultural purposes. As such, it appears to be very appropriate for inclusion under the MAC Protocol.

25	842620-- TOWER CRANES	842620 —Tower Cranes	The tower crane is a fixed crane that is mounted on-site. It is a vertical metallic structure having a horizontal boom that can turn over an angle up to 360°	Tower crane: 	\$ 20,452,573 in imports. 11 major Canadian importers. Major exporters: Germany.	€ 11,332,667 in imports to the 28 E.U. members. Major exporters: Republic of Korea, Qatar, Switzerland, etc.	<ul style="list-style-type: none"> • Certain types of equipment under this HS code may require affixation to immovable property in order to operate. • Cranes may have additional uses outside MAC industries (such as lifting/loading cargo).
26	842641-- DERRICKS ETC SELF- PROPELLED ON TIRES, NESOI	Other machinery, self-propelled: 842641 -- On tires	Includes a self-propelled crane used to load, unload, and stack cargo containers in shipping ports and terminals.	Crawler crane: 	\$ 190,505,155 in imports. 17 major Canadian importers. Major exporters: Germany, Japan, and United States.	€ 22,242,897 in imports to the 28 E.U. members. Major exporters: China, Japan, Libyan Arab Jamahiriya, Norway, Rusia, Turkey, etc.	<ul style="list-style-type: none"> • Cranes may have additional uses outside MAC industries (such as lifting/loading cargo).
27	842649-- DERRICKS ETC SELF- PROPELLED NOT ON TIRES, NESOI	Other machinery, self-propelled: 842649 -- Other	Includes i) derricks which are a kind of crane with a movable pivoted arm for moving or lifting heavy weights, especially onto a ship and ii) the mobile pneumatic conveyor that may	Derrick crane:	\$ 185,611,703 in imports. 11 major Canadian importers. Major exporters: Japan and United States.	€ 39,691,742 in imports to the 28 E.U. members. Major exporters: Algeria, Canada, China, Japan, Malaysia, Norway, Rusia, Thailand, etc.	<ul style="list-style-type: none"> • Certain types of equipment under this HS code may require affixation to immovable property in order to operate.

			be used to transfer grain out of a ship's storage hold and into a hopper located on the dock.				<ul style="list-style-type: none"> • Cranes may have additional uses outside MAC industries (such as lifting/loading cargo).
28	842699-- LIFTING OR HANDLING MACHINERY, NESOI	Other machinery: 842699 -- Other	Includes i) the space saver crane is a shop crane, made of steel, capable of lifting up to two tons by means of a hydraulic lifting cylinder and ii) mobile cranes that will operate on tracks within a shipyard and will be used to lift heavy objects.	Hydrolic truck crane: 	\$ 10,954,911 in imports. 19 major Canadian importers. Major exporters: China and United States.	€ 23,570,357 in imports to the 28 E.U. members. Major exporters: China, Norway, Switzerland, United States, etc.	<ul style="list-style-type: none"> • Cranes may have additional uses outside MAC industries (such as lifting/loading cargo).
29	842890-- LIFTING, HANDLING, LOADING & UNLOADING MACHY NESOI	Other lifting, handling, loading or unloading machinery (e.g. elevators, escalators, conveyors, teleferics): 842890 — Other Machinery	Includes i) woodland log handling equipment and ii) a pallet lift which handles the vertical transportation of pallets into and out of the warehouse; and retrieving pallets from the various levels as required.	Conveyor system: 	\$ 354,050,527 in imports. 162 major Canadian importers. Major exporters: China, Finland, France, South Korea, Netherlands, Sweden, Taiwan, U.K., U.S., etc.	€ 540,707,077 in imports to the 28 E.U. members. Major exporters: Argentina, Belarus, Brazil, Canada, China, India, Iraq, Japan, Malaysia, etc.	<ul style="list-style-type: none"> • Certain types of equipment under this HS code may require affixation to immovable property in order to operate. • Certain types of equipment under this HS code may have additional uses outside MAC industries.

30	842911-- BULLDOZERS AND ANGLEDZERS, SELF-PROP, TRACK LAY	Bulldozers and angledozers: 842911 -- Track laying	Crawler, caterpillar, or track-laying tractors run on two continuous tracks consisting of a number of plates or pads pivoted together and joined to form a pair of endless chains, each encircling two wheels on either side of the vehicle.	Track-laying bulldozer: 	\$ 369,972,070 in imports. 4 major Canadian importers. Major exporters: United States.	€ 87,838,381 in imports to the 28 E.U. members. Major exporters: Brazil, Japan, and United States.	<ul style="list-style-type: none"> All machines under 84.29 are self- propelled.
31	842919-- BULLDOZERS AND ANGLEDZERS, SELF-PROP NESOI	Bulldozers and angledozers: 842919 -- Other	Includes graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers.	Bulldozer: 	\$ 23,587,960 in imports. 16 major Canadian importers. Major exporters: United States.	€ 3,578,175 in imports to the 28 E.U. members. Major exporters: China, Brazil, Japan, Liechtenstein, Norway, etc.	<ul style="list-style-type: none"> All machines under 84.29 are self- propelled.
32	842920-- GRADERS AND LEVELERS, SELF- PROPELLED	842920 -- Graders and levelers	It includes i) a construction machine with a long blade used to create a flat surface during the grading process and ii) a three-wheeled, self-propelled machine which functions principally as grounds keeping equipment, for such activities as grading, leveling, grooming and smoothing.	Grader: 	\$ 253,371,989 in imports. 4 major Canadian importers. Major exporters: United States.	€ 29,899,617 in imports to the 28 E.U. members. Major exporters: Brazil, China, and United States.	<ul style="list-style-type: none"> All machines under 84.29 are self- propelled.

33	842930-- SCRAPERS, SELF- PROPELLED	842930 -- Scrapers	The scraper is a large piece of equipment used in mining, construction, agriculture for earthmoving.	Elevated scrapper: 	\$ 49,936,979 in imports. 11 major Canadian importers. Major exporters: United States.	€ 2,693,326 in imports to the 28 E.U. members. Major exporters: Switzerland, Japan, and United States.	<ul style="list-style-type: none"> All machines under 84.29 are self-propelled.
34	842940-- TAMPING MACHINES AND ROAD ROLLERS, SELF- PROPELLED	842940 -- Tamping machines and road rollers	A tamping machine or ballast tamper is a machine used to pack (or tamp) the track ballast under railway tracks to make the tracks more durable. A road roller (sometimes called a roller-compactor, or just roller) is a compactor type engineering vehicle used to compact soil, gravel, concrete, or asphalt in the construction of roads and foundations, similar rollers are used also at landfills or in agriculture.	Tamping machine: 	\$ 112,934,779 in imports. 11 major Canadian importers. Major exporters: Czech Republic, France, United States.	€ 50,792,995 in imports to the 28 E.U. members. Major exporters: China, Japan, Norway and United States.	<ul style="list-style-type: none"> All machines under 84.29 are self-propelled.
35	842951--MECH FRONT-END SHOVEL LOADERS, SELF- PROPELLED	Mechanical shovels, excavators and shovel loaders: 842951 -- Front-end shovel loaders:	A loader (bucket loader, front loader, front-end loader, payloader, scoop, shovel, skip loader, or wheel loader) is a heavy equipment	Front-end shovel loader:	\$ 1,053,942,038 in imports. 11 major Canadian importers. Major exporters:	€ 352,049,170 in imports to the 28 E.U. members. Major exporters: Australia, China, Japan, Republic of Korea, Norway,	<ul style="list-style-type: none"> All machines under 84.29 are self-propelled.

			<p>machine used in construction to move aside or load materials such as asphalt, demolition debris, dirt, snow, feed, gravel, logs, raw minerals, recycled material, rock, sand, woodchips, etc. into or onto another type of machinery. They are also used the mining and agriculture industries.</p>		<p>Germany, South Korea, U.K., and U.S.</p>	<p>Switzerland, Turkey, and United States.</p>	
36	842952--MECH SHOVELS EXCAVATORS ETC W 360 DEGREE SPRSTRUC	<p>Mechanical shovels, excavators and shovel loaders: 842952-- Machinery with a 360° degrees revolving superstructure</p>	<p>Includes an excavator that is a power-operated shovel with a 360 degree revolving superstructure.</p>	<p>Excavator with a 360 degrees revolving superstructure:</p> 	<p>\$ 1,190,426,552 in imports.</p> <p>10 major Canadian importers.</p> <p>Major exporters: Germany, Japan, South Korea, Sweden, and United States.</p>	<p>€ 1,132,194,140 in imports to the 28 E.U. members.</p> <p>Major exporters: China, Japan, Republic of Korea, Liechtenstein, Norway, Switzerland, and United States.</p>	<ul style="list-style-type: none"> All machines under 84.29 are self-propelled.
37	842959--MECH SHOVELS, EXCAVATORS AND SHOVEL LOADERS NESOI	<p>Mechanical shovels, excavators and shovel loaders: 842959-- Other</p>	<p>Excavators primarily designed for excavation and loading of excavated materials.</p>	<p>Mechanical shovel:</p>	<p>\$ 159,459,507 in imports.</p> <p>19 major Canadian importers.</p> <p>Major exporters: China, Japan, South Korea, and United States.</p>	<p>€ 77,409,778 in imports to the 28 E.U. members.</p> <p>Major exporters: China, Japan, Norway, Switzerland, Turkey, and United States.</p>	<ul style="list-style-type: none"> All machines under 84.29 are self-propelled.

							
38	843010--PILE-DRIVERS AND PILE-EXTRACTORS	843010 -- Pile-drivers and pile-extractors	Includes a pile driver that is a mechanical device used to drive piles (poles) into soil to provide foundation support for buildings or other structures.	<p>Pile-driver:</p> 	<p>\$ 57,881,331 in imports.</p> <p>23 major Canadian importers.</p> <p>Major exporters: Finland, Germany, U.K., and U.S.</p>	<p>€ 22,919,424 in imports to the 28 E.U. members.</p> <p>Major exporters: Azerbaijan, Japan, Singapore, and United States.</p>	<ul style="list-style-type: none"> The Explanatory notes state that Chapter 84.30 covers not only fixed machinery, but also mobile machines, whether or not self-propelled.
39	843020--SNOWPLOWS AND SNOWBLOWERS	843020 -- Snowplows and snowblowers	Includes snowblowers mounted on tractors.	<p>Snowblower:</p> 	<p>\$ 142,600,005 in imports.</p> <p>13 major Canadian importers.</p> <p>Major exporters: China, Italy, South Korea, and United States.</p>	<p>€ 112,487,100 in imports to the 28 E.U. members.</p> <p>Major exporters: China, Japan, Norway, Switzerland, and United States.</p>	<ul style="list-style-type: none"> The Explanatory notes state that Chapter 84.30 covers not only fixed machinery, but also mobile machines, whether or not self-propelled. Certain types of equipment under this HS code may have additional uses

							outside MAC industries.
40	843031--COAL OR ROCK CUTTERS & TUNNEL MACH, SELF-PROPELLED	Coal or rock cutters and tunneling machinery: 843031 -- Self-propelled	Self-propelled machines used to cut rocks and coal as well as machines used for tunneling.	Self-propelled coal cutter: 	No data available for this product.	€ 18,092,405 in imports to the 28 E.U. members. Major exporters: Belarus, China, Hong Kong, Norway, Switzerland, etc.	•
41	843039--COAL OR ROCK CUTTERS & TUNNEL MACH, NESOI	Coal or rock cutters and tunneling machinery: 843039 -- Other	Includes hammers that are used i) in rock breaking operations and sometimes in tunneling operations and ii) hammers used by backhoe loaders and small excavators in concrete and bituminous/asphalt breaking operations.	Rock breaker: 	\$ 23,595,729 in imports. 9 major Canadian importers. Major exporters: United States.	€ 37,776,751 in imports to the 28 E.U. members. Major exporters: Canada, Hong Kong, Israel, Panama, Switzerland, Turkey, United Arab Emirates, and United States.	• The Explanatory notes state that Chapter 84.30 covers not only fixed machinery, but also mobile machines, whether or not self-propelled.
42	843041--BORING OR SINKING MACHINERY, NESOI, SELF-PROPELLED	Other boring or sinking machinery: 843041 -- Self-propelled	Includes a mobile seismic drilling unit to to drill holes in the crust of the earth.	Mobile drilling unit: 	\$ 143,012,043 in imports. 26 major Canadian importers. Major exporters: Germany, Italy, and United States.	€ 73,420,818 in imports to the 28 E.U. members. Major exporters: Australia, China, Japan, Republic of Korea, Norway, Switzerland, United Arab Emirates, and United States.	•

43	843050-- MOVING, GRADING ETC MACHINES ETC NESOI, SELF- PROP	843050 -- Other [moving, grading, leveling, scrapping, etc.] machinery, self-propelled	Includes i) hydraulic mine roof shield supports that comprise a longwall mining system used in underground coal mining and ii) trenching machines used to cut through bricks, tree roots and hard ground.	Self-propelled motor grader: 	\$ 37,887,490 in imports. 23 major Canadian importers. Major exporters: United States.	€ 53,676,340 in imports to the 28 E.U. members. Major exporters: China, India, Republic of Korea, South Africa, Switzerland, and United States.	•
44	843061-- TAMPING OR COMPACTING MACHINERY, NOT SELF- PROPELLED	Other machinery, not self-propelled: 843061 -- Tamping or compacting machinery	Includes various soil compactors.	Soil compactor: 	\$ 27,718,492 in imports. 14 major Canadian importers. Major exporters: China, Germany, and United States.	€ 35,545,547 in imports to the 28 E.U. members. Major exporters: China, Japan, Philippines, Switzerland, and United States.	• The Explanatory notes state that Chapter 84.30 covers not only fixed machinery, but also mobile machines, whether or not self-propelled.
45	843069-- MOVING, GRADING ETC MACHINES ETC NESOI, NO SELF-PR	Other machinery, not self-propelled: 843069 -- Other	Includes earth moving machinery that is not self- propelled.	Concrete level truss screed machine: 	\$ 41,861,608 in imports. 34 major Canadian importers. Major exporters: China, Finland, Japan, South Korea, Mexico and United States.	€ 29,582,372 in imports to the 28 E.U. members. Major exporters: Canada, China, Japan, Republic of Korea, Norway, Switzerland, Turkey, and United States.	• The Explanatory notes state that Chapter 84.30 covers not only fixed machinery, but also mobile machines, whether or not self-propelled.
46	843110--PTS FOR PULLEY TACKLE, HOIST	843110 —[Parts] of machinery of heading 8425 [<i>i.e.</i>	Includes a trailer landing gear designed to be	Trailer landing gear:	\$ 99,090,090 in imports.	€ 164,343,452 in imports to the 28 E.U. members.	• This HS code appears to cover parts.

	EX SKIP, WINCHES, ETC	Pulley tackle and hoists other than skip hoists; winches and capstans; jacks]	assembled onto trailers. They are composed of hot-rolled, cold-finished non-alloy steel.		104 major Canadian importers. Major exporters: Australia, China, Denmark, France, Germany, Italy, Mexico, Netherlands, Sweden, United States.	Major exporters: Bosnia and Herzegovina, Canada, China, India, Japan, Republic of Korea, Morocco, Norway, etc.	<ul style="list-style-type: none"> Initial information would indicate that these parts maybe individually of relatively low value, and may not be individually identifiable through serial number.
47	843139--PTS FOR LIFTING, HNDLNG, LOADING/UNL DNG MACH NESOI	843139 —[Parts] of machinery of heading 8428 [<i>i.e.</i> Other lifting, handling, loading or unloading machinery (for example, elevators, escalators, conveyors, teleferics)]	Includes i) flight bars and E-bolts are components of armored face chain conveyors used in underground longwall mining applications and ii) items for use with roller conveyors.	Roller conveyor parts: 	\$ 402,685,710 in imports. 223 major Canadian importers. Major exporters: Australia, Austria, China, Finland, Germany, India, Italy, Japan, Malaysia, Slovakia, South Africa, Sweden, etc.	€ 413,685,066 in imports to the 28 E.U. members. Major exporters: Australia, Belarus, Bosnia and Herzegovina, Canada, China, India, Israel, Japan, Republic of Korea, Malaysia, South Africa, etc.	<ul style="list-style-type: none"> This HS code appears to cover parts. Initial information would indicate that these parts maybe individually of relatively low value, and may not be individually identifiable through serial number.
48	843141--BUCKETS, SHOVELS, GRABS & GRIPS FOR DERRICKS ETC	[Parts] Of machinery of heading 8426 [<i>e.g.</i> Ship's derricks, cranes, etc.], 8429 [<i>e.g.</i> Self-propelled bulldozers, angledozers, graders, etc.] or 8430 [<i>e.g.</i> Other moving, grading, leveling, etc.]: 843141 — Buckets,	Includes cutterheads and buckets that may be attached to backhoes.	Bulldozer shovel: 	\$ 104,115,851 in imports. 65 major Canadian importers. Major exporters: Australia, China, Finland, Ireland, South Korea, Mexico, U.K.,	€ 62,404,574 in imports to the 28 E.U. members. Major exporters: Canada, China, India, Republic of Korea, Malaysia, Morocco, Turkey, etc.	<ul style="list-style-type: none"> This HS code appears to cover parts. Initial information would indicate that these parts maybe individually of relatively low value, and may not be individually

		shovels, grabs and grips			United States, etc.		identifiable through serial number.
49	843142-- BULLDOZER OR ANGLEDZER BLADES	[Parts] Of machinery of heading 8426 [e.g. Ship's derricks, cranes, etc.], 8429 [e.g. Self-propelled bulldozers, angledozers, graders, etc.] or 8430 [e.g. Other moving, grading, leveling, etc.]: 843142 -- Bulldozer or angledozer blades	Includes blades that belong to the class or kind that are principally used on bulldozers and angledozers.	Bulldozer blades: 	\$ 15,360,406 in imports. 13 major Canadian importers. Major exporters: United States.	€ 6,002,858 in imports to the 28 E.U. members. Major exporters: China and United States.	<ul style="list-style-type: none"> This HS code appears to cover parts. Initial information would indicate that these parts maybe individually of relatively low value, and may not be individually identifiable through serial number.
50	843143--PARTS FOR BORING OR SINKING MACHINERY, NESOI	843143 -- Parts for boring or sinking machinery of subheading 8430.41 or 8430.49	Includes i) drill collar bars that may be used principally on offshore drilling platforms and ii) non-magnetic drill collars that are solely or principally used on oil and gas well drilling machinery.	Drill collar bars: 	\$ 535,426,358 in imports. 57 major Canadian importers. Major exporters: Australia, Chile, China, Czech Republic, Germany, Italy, Mexico, Netherlands, Poland, etc.	€ 619,247,368 in imports to the 28 E.U. members. Major exporters: Albania, Angola, Australia, Azerbaijan, Brazil, Cameroon, China, Cuba, Egypt, Ghana, India, Israel, Kazakhstan, Malaysia, etc.	<ul style="list-style-type: none"> This HS code appears to cover parts.
51	843149--PARTS AND ATTACHMENTS NESOI FOR DERRICKS ETC.	[Parts] Of machinery of heading 8426 [e.g. Ship's derricks, cranes, etc.], 8429 [e.g. Self-propelled bulldozers, angledozers,	Includes i) straddle carriers that are self-propelled machines used in container terminals to load, unload, stack, and transport containers over	Straddle carrier:	\$ 1,223,191,627 in imports. 84 major Canadian importers. Major exporters:	€ 1,333,043,959 in imports to the 28 E.U. members. Major exporters: Australia, Azerbaijan, Bosnia and Herzegovina,	<ul style="list-style-type: none"> Certain types of equipment under this HS code may have additional uses outside MAC industries.

		graders, etc.] or 8430 [e.g. Other moving, grading, leveling, etc.]: 843149 -- Other	short distances and ii) jarret shock absorbers that absorb energy in order to reduce shock forces, thus protecting equipment against excessive impact loads.		Australia, Austria, Belgium, Brazil, Chile, China, Czech Republic, Hungary, India, Latvia, Malaysia, Mexico, Philippines, etc.	Brazil, Canada, China, Congo, Egypt, India, Indonesia, Japan, Republic of Korea, etc.	
52	843210-- PLOWS FOR SOIL PREPARATION OR CULTIVATION	843210 -- Plows	It includes plows that are large farming implements with one or more blades affixed to a frame, drawn by a tractor and used for cutting furrows in the soil and turning it over, especially to prepare for the planting of seeds.	Plow: 	\$ 35,185,477 in imports. 12 major Canadian importers. Major exporters: United States.	€ 56,426,237 in imports to the 28 E.U. members. Major exporters: China, Norway, and Turkey.	•
53	843221--DISC HARROWS	Harrows, scarifiers, cultivators, weeders and hoes: 843221 -- Disc harrows	Includes a disc harrow that is a farm implement that is used to cultivate the soil where crops are to be planted. It is also used to chop up unwanted weeds or crop remainders. It consists of many iron or steel discs which have slight	Disc harrow: 	\$ 56,132,123 in imports. 10 major Canadian importers. Major exporters: United States.	€ 2,222,506 in imports to the 28 E.U. members. Major exporters: China, New Zealand, Russia, Serbia, Turkey, etc.	•

			concavity and are arranged into two or four sections.				
54	843229-- HARROWS EX DISC, SCARIFIERS CULTIVATORS HOES ETC	Harrows, scarifiers, cultivators, weeders and hoes: 843229 -- Other	It includes a cultivator that may be used for breaking sod, preparing seed beds and for cultivating gardens and flower beds.	Weeder: 	\$ 64,032,629 in imports. 26 major Canadian importers. Major exporters: China, Italy, and United States.	€ 81,645,535 in imports to the 28 E.U. members. Major exporters: China, Japan, Serbia, Turkey, Ukraine, and United States.	•
55	843230-- SEEDERS, PLANTERS AND TRANSPLANTERS	843230 -- Seeders, planters and transplanters	It includes i) seeder which is a machine for sowing seed mechanically; ii) planters which is an implement or machine for planting seeds in the ground; and iii) a seed drill that may be used for pasture overseeding or for use over plowed ground.	Seeder: 	\$ 169,263,021 in imports. 10 major Canadian importers. Major exporters: Italy, Netherlands, and United States.	€ 26,148,632 in imports to the 28 E.U. members. Major exporters: Canada, Switzerland, Turkey, and United States.	•
56	843240-- MANURE SPREADERS AND FERTILIZER DISTRIBUTORS	843240 -- Manure spreaders and fertilizer distributors	It includes i) a manure spreaders, muck spreaders or honey wagons which are agricultural machines used to distribute manure over a field as a fertilizer and ii) a fertilizer distributor which is a machine used to distribute	Manure spreader (attached to tractor): 	\$ 38,855,427 in imports. 35 major Canadian importers. Major exporters: China, Germany, Italy, Mexico, and United States.	€ 9,259,943 in imports to the 28 E.U. members. Major exporters: China and United States.	•

			fertilizer evenly into crops.				
57	843280-- AGRIL,HORT,F ORSTY MACH FOR SOIL PREP OR CULTIVATE	843280 -- Other [agricultural, horticultural, or forestry] machinery [for soil cultivation]	It includes tow behind spreaders, aerators, and de- thatchers used in agriculture.	Dethatcher: 	\$ 55,059,686 in imports. 67 major Canadian importers. Major exporters: China, France, Italy, South Korea, Netherlands, Taiwan, U.K., and United States.	€ 44,002,127 in imports to the 28 E.U. members. Major exporters: Australia, Canada, China, Japan, Norway, Switzerland, and United States.	•
58	843290--AGRIC HORT/FOREST MACHY & LAWN/GROUN D ROLLER PARTS	843290 —Parts [for agricultural, horticultural or forestry machinery for soil preparation or cultivation]	It includes a i) hub that is specifically designed and marketed for installation on disc harrow, cultivators, rippers and moldboard ploughs, all of which are used in farming and agriculture and ii) two wheel and tire assemblies designed and imported in order to be installed and used on agricultural spreaders.	Agricultural spreader: 	\$ 173,049,279 in imports. 35 major Canadian importers. Major exporters: Austria, China, Finland, Germany, India, Japan, South Korea, Netherlands, Spain, U.K., and United States.	€ 177,644,657 in imports to the 28 E.U. members. Major exporters: Brazil, Canada, China, India, Japan, Norway, Serbia, Switzerland, Turkey, Ukraine, and United States.	•
59	843311-- MOWERS FOR LAWNS, PARKS ETC CUT DEVICE HORIZ PLANE	Mowers for lawns, parks or sports grounds: 843311 -- Powered, with the cutting device rotating in a horizontal plane	Includes lawn mowers that incorporate an engine-driven impeller that draws air form above the deck and out	Lawn mower (attached to tractor):	\$ 307,922,586 in imports. 8 major Canadian importers. Major exporters:	€ 544,494,291 in imports to the 28 E.U. members. Major exporters: China, Hong Kong, Israel, Japan,	• Certain types of equipment under this HS code may have additional uses outside MAC industries.

			<p>underneath the deck, creating a cushion of air on which the machine floats. This airflow system sucks cut grass and other debris back into the impeller, allowing for a constant velocity of airflow to maintain hovering performance without the need for wheels or other supporting devices.</p>		<p>China and United States.</p>	<p>Mexico, and United States.</p>	
60	<p>843319-- MOWERS FOR LAWNS EXC PWRD W HORZNTL ROTATING CUTTR</p>	<p>Mowers for lawns, parks or sports grounds: 843319-- Other</p>	<p>It includes a push reel lawn mower that is constructed of steel and has two plastic wheels and two foam handle grips.</p>	<p>Push reel lawn mower:</p> 	<p>\$ 34,273,377 in imports.</p> <p>7 major Canadian importers.</p> <p>Major exporters: China and United States.</p>	<p>€ 145,449,354 in imports to the 28 E.U. members.</p> <p>Major exporters: China, Japan, and United States.</p>	<ul style="list-style-type: none"> •
61	<p>843320-- MOWERS, NESOI, INC CUTTER BAR FOR TRACTOR MOUNTING</p>	<p>843320-- Other mowers, including cutter bars for tractor mounting</p>	<p>It includes i) cutter bars for tractor mounting and ii) heavy duty mowers principally designed to cut grass, stubble and other growth.</p>	<p>Cutting bar for tractor mounting:</p> 	<p>\$ 65,849,837 in imports.</p> <p>12 major Canadian importers.</p> <p>Major exporters: Italy, South Korea, Netherlands, and United States.</p>	<p>€ 29,472,849 in imports to the 28 E.U. members.</p> <p>Major exporters: Canada, China, Japan, New Zealand, Switzerland, and United States.</p>	<ul style="list-style-type: none"> •

62	843330-- HAYING MACHINES OTHER THAN MOWERS	843330 -- Other haymaking machinery	It includes i) haying machines that are used after cutting and before windrowing, and use moving forks to aerate or "wuffle" the hay and thus speed-up the process of hay- making and ii) bale processors designed to load and shred most types of baled forage, used for roadside, conservation or cattle straw/hay spreading.	Haying machine (attached to tractor): 	\$ 73,386,474 in imports. 4 major Canadian importers. Major exporters: Italy and Netherlands.	€ 5,098,961 in imports to the 28 E.U. members. Major exporters: China, Switzerland, and United States.	•
63	843340-- STRAW OR FODDER BALERS, INCLUDING PICK-UP BALERS	843340 -- Straw or fodder balers, including pick-up balers	It includes balers that are machinery used to compress a cut and raked crop (such as hay, cotton, straw, or silage) into compact bales that are easy to handle, transport, and store.	Fodder baler: 	\$ 75,435,612 in imports. 4 major Canadian importers. Major exporters: No report available.	€ 43,480,944 in imports to the 28 E.U. members. Major exporters: Norway, Switzerland, and Untied States.	•
64	843351-- COMBINE HARVESTER- THRESHERS	Other harvesting machinery; threshing machinery: 843351 -- Combine harvester- threshers	A combine harvester is a machine that harvests grain crops.	Combine harvester: 	No data available for this product.	€ 159,491,641 in imports to the 28 E.U. members. Major exporters: Belarus, Rusia, Turkey, and Untied States.	•

65	843352-- THRESHING MACH, EXC COMBINE HARVESTER- THRESHERS	Other harvesting machinery; threshing machinery: 843352 -- Other threshing machinery	It includes a tresher designed and used to separate grain from stalks and husks.	Thresher: 	\$ 3,741,004 in imports. 10 major Canadian importers. Major exporters: United States.	€ 1,953,862 in imports to the 28 E.U. members. Major exporters: Canada and Russia	•
66	843353--ROOT OR TUBER HARVESTING MACHINES	Other harvesting machinery; threshing machinery: 843353 -- Root or tuber harvesting machines	It includes machines used to harvest root crops.	Root harvesting machine: 	\$ 21,598,605 in imports. 5 major Canadian importers. Major exporters: United States.	€ 2,201,785 in imports to the 28 E.U. members. Major exporters: Canada, Moldova, Serbia, Switzerland, and United States.	•
67	843359-- HARVESTING MACHINERY, NESOI	Other harvesting machinery; threshing machinery: 843359 -- Other	It includes i) a seed drill that may be used for pasture overseeding or for use over plowed ground and ii) tree shaking harvester that applies force to dislodge the tree's produce.	Tree shaking harvester: 	\$ 47,976,394 in imports. 34 major Canadian importers. Major exporters: Netherlands and United States.	€ 19,372,996 in imports to the 28 E.U. members. Major exporters: Canada, China, Switzerland and United States.	•
68	843390--PARTS FOR HARVESTER, GRASS	Mowers for lawns, parks or sports grounds: 843390 -- Parts	Parts for the mowers described above under Items 59 and 60.	Grooming mower:	\$ 336,677,196 in imports.	€ 250,793,301 in imports to the 28 E.U. members.	•

	MOWERS, SORTING EGG ETC				18 major Canadian importers. Major exporters: Austria, China, Czech Republic, Denmark, Hungary, India, Italy, South Korea, Netherlands, Sweden, Taiwan, Turkey, etc.	Major exporters: Argentina, Brazil, Canada, China, Hong Kong, India, Israel, Japan, New Zealand, Norway, Russia, Serbia, Switzerland, etc.	
69	843610-- MACHINERY FOR PREPARING ANIMAL FEEDS	843610 -- Machinery for preparing animal feeds	It includes cutter-mixer-feeders that may be tractor-drawn or truck mounted. These machines can cut roughage to desired lengths.	Fish feed mill production machine: 	\$ 17,050,857 in imports. 33 major Canadian importers. Major exporters: Netherlands and United States.	€ 27,063,726 in imports to the 28 E.U. members. Major exporters: China, Israel, and United States.	<ul style="list-style-type: none"> Certain types of equipment under this HS code may require affixation to immovable property in order to operate.
70	843680-- AGRIC, HORT, FOREST, BEE- KEEPING MACHINERY NESOI	843680 -- Other machinery	It includes i) an agricultural tractor with a readily-removable wood harvester unit; ii) a tree harvesting machine is a tracked excavator-like propelling base which is specifically designed to be used with a variety of harvesting heads for the first thinning of trees;	Honey-processing machine: 	\$ 174,659,077 in imports. 76 major Canadian importers. Major exporters: Australia, Austria, China, Denmark, Finland, Germany, Netherlands, United States, etc.	€ 88,645,259 in imports to the 28 E.U. members. Major exporters: Canada, China, Japan, Norway, Switzerland, and United States.	<ul style="list-style-type: none"> Certain types of equipment under this HS code may require affixation to immovable property in order to operate.

			and iii) a wood chipper designed to chip branches and cuttings from trees and shrubs.				
71	843699--PTS FOR AGRIC, HORT, FOREST, BEE-KEEP MACH NESOI	Parts: 843699-- Other	It includes i) bee-keeping machinery; ii) machinery for preparing animal feeds; iii) and forestry machinery.	Food processing machinery: 	\$ 99,174,076 in imports. 80 major Canadian importers. Major exporters: Austria, China, Denmark, France, Germany, Israel, South Korea, Netherlands, Spain, Sweden, and United States.	€ 60,755,820 in imports to the 28 E.U. members. Major exporters: Canada, China, India, Israel, New Zealand, Norway, Switzerland, and United States.	<ul style="list-style-type: none"> Certain types of equipment under this HS code may require affixation to immovable property in order to operate.
72	846711--PNEUMATIC ROTARY TYPE TOOLS FOR WORK IN THE HAND P	Pneumatic [motors]: 846711-- Rotary type (including combined rotary-percussion):	It includes a i) sanding system; ii) pneumatic die grinder kit; and iii) grinders, polishers and sanders suitable for metal working.	Pneumatic vane gearmotor: 	\$ 73,186,078 in imports. 26 major Canadian importers. Major exporters: China, Germany, India, Italy, Japan, Taiwan, United States, etc.	€ 109,308,588 in imports to the 28 E.U. members. Major exporters: China, India, Japan, Switzerland, Taiwan, and United States.	<ul style="list-style-type: none"> This HS code appears to cover parts.
73	846719--PNEUMATIC EX ROTARY TYPE TOOLS FOR WORK IN HAND	Pneumatic: 846719-- Other	It includes i) an air nibbler which is a sheet metal cutting tool; ii) a spring blade that is used to affix drywall to light gauge steel; and iii) pruning tying machine used	Pruning machine:	\$ 59,884,933 in imports. 34 major Canadian importers. Major exporters:	€ 78,745,273 in imports to the 28 E.U. members. Major exporters: China, India, Japan, Switzerland, Taiwan, and United States.	<ul style="list-style-type: none"> This HS code appears to cover parts.

			to tie bundled nursery stock such as fruit trees and grape vines.		China, France, India, Italy, Japan, South Korea, Mexico, Poland, Sweden, Thailand, etc.		
74	847420-- CRUSHING/GRI NDING MACH FOR EARTH STONE MNERL SUBS	847420 -- Crushing or grinding machines	It includes i) a crushing machine designed to reduce large rocks into smaller rocks, gravel, or rock dust and ii) a grinding machine that is a power tool used for grinding, which is a type of machining using an abrasive wheel as the cutting tool.	Stone crushing machine: 	\$ 110,493,179 in imports. 41 major Canadian importers. Major exporters: Brazil, Finland, Germany, etc.	€ 62,018,773 in imports to the 28 E.U. members. Major exporters: Canada, China, India, Japan, Republic of Korea, Norway, Russia, Switzerland, etc.	•
75	847490--PARTS OF MACH FOR SORTING ETC EARTH STONE ORES ETC	847490 — Parts [of machinery for sorting, screening, separating, washing, crushing, grinding, etc.]	It includes parts for i) a machine that is used in gold plant slurry screening operations to help remove wood fibers and other foreign objects from the slurry before it goes into the leaching tanks and other refining processes and ii) a glass washing machine and a glass tempering oven of a kind mainly used	Glass washing machine: 	\$ 413,658,776 in imports. 111 major Canadian importers. Major exporters: Australia, Brazil, China, Finland, Germany, Italy, Malaysia, Mexico, South Africa, etc.	€ 360,301,714 in imports to the 28 E.U. members. Major exporters: Australia, Brazil, Canada, China, India, Indonesia, Japan, etc.	• This HS code appears to cover parts.

			in the extractive industries.				
76	847910-- MACHINERY FOR PUBLIC WORKS, BUILDING OR THE LIKE	847910-- Machinery for public works, building or the like	It includes i) a power trowel to float and finish concrete; ii) a worm gear used in concrete finishing machines; and iii) an ice breaker which is a machine designed to remove dangerous ice sheets which can form on road surfaces.	Machinery for public works (concrete paver): 	\$ 82,786,645 in imports. 67 major Canadian importers. Major exporters: Germany, Italy, Sweden, and United States.	€ 68,850,546 in imports to the 28 E.U. members. Major exporters: Canada, China, Japan, Morocco, Norway, Philippines, Switzerland, etc.	<ul style="list-style-type: none"> Certain types of equipment under this HS code may have additional uses outside MAC industries.
77	847989--MACH & MECHANICAL APPL W INDIVIDUAL FUNCTION NESOI	Other machines and mechanical appliances: 847989-- Other	It includes i) dehumidifiers used in applications such as water damage restoration and humidity control and are said to be ideal for industrial drying applications; ii) floor polishers designed for commercial use in locations such as hospitals/healthcare facilities; iii) trash compactors for industrial use that compact trash; and iv) floor sweepers for industrial use.	Trash compactor: 	\$ 815,220,718 in imports. 377 major Canadian importers. Major exporters: Australia, Belgium, China, Czech Republic, Finland, India, Israel, South Korea, Malaysia, Mexico, Spain, etc.	€ 1,625,013,677 in imports to the 28 E.U. members. Major exporters: Australia, Brazil, Canada, China, Colombia, Egypt, Equatorial Guinea, Japan, India, Republic of Korea, Switzerland, etc.	<ul style="list-style-type: none"> Certain types of equipment under this HS code may require affixation to immovable property in order to operate.
78	847990--PTS OF MACH/MECHN CL APPL W INDVDUL	847990-- Parts	It includes parts related to i) submersible remote operated vehicle (ROV) used in the oil and gas	ROV:	\$ 554,592,165 in imports. 355 major Canadian importers.	€ 1,139,380,135 in imports to the 28 E.U. members. Major exporters:	<ul style="list-style-type: none"> This HS code appears to cover parts.

	FUNCTION NESOI		industry to facilitate deepwater repairs on their facilities and ii) fan guards generally attached to the exterior of electromechanical machines with a self-contained motor and fan and are designed to match the sizes of the standard fans used in various appliances/machines and ii) aluminum sunshade blades that may be mounted or welded to the building.			Major exporters: Australia, Austria, Brazil, Bulgaria, China, Czech Republic, Hungary, India, Malaysia, Mexico, Philippines, Turkey, United Arab Emirates, etc.	Australia, Bahamas, Brazil, Canada, China, Hong Kong, Japan, India, Liechtenstein, etc.	
79	848310-- TRANSMISSION SHAFTS (INC CAM-&CRANK-SHAFT), ETC.	848310-- Transmission shafts (including camshafts and crankshafts) and cranks:	Includes a i) transmission shaft which is a rotating shaft that transmits rotary motion from the engine to the differential; ii) spark plugs and crankshafts for internal combustion engines for motorcycles; and iii) crankshafts used to power chainsaws.	Transmission shaft: 	\$ 511,678,185 in imports. 21 major Canadian importers. Major exporters: Australia, China, France, India, Hungary, Italy, Slovakia, South Africa, Turkey, etc.	€ 716,937,593 in imports to the 28 E.U. members. Major exporters: Belarus, Bosnia and Herzegovina, Brazil, China, Canada, etc.	<ul style="list-style-type: none"> This HS code appears to cover parts. Certain types of equipment under this HS code may require affixation to immovable property in order to operate. 	
80	850161 - ELECTRIC MOTORS AND GENERATORS	AC generators (alternators): 850161-- Of an output not exceeding 75 kVA	It includes i) generators and motors for AC units; ii) alternators used in motor	AC single phase alternator:	\$ 67,524,428 in imports. 5 major Canadian importers.	€ 113,444,423 in imports to the 28 E.U. members. Major exporters:	<ul style="list-style-type: none"> This HS code appears to cover engines. Certain types of equipment 	

	<p>OF AN OUPUT NOT > 75 KVA</p>		<p>vehicles; iii) fuel cell generators which are inverters used to produce AC power.</p>		<p>Major exporters: China, Czech Republic, Italy, Japan, etc.</p>	<p>Canada, China, India, Japan, Malaysia, Norway, Rusia, Singapore, etc.</p>	<p>under this HS code may require affixation to immovable property in order to operate.</p>
<p>81</p>	<p>850162 - ELECTRIC MOTORS AND GENERATORS OF AN OUPUT > 75 KVA BUT NOT > 375 KVA</p>	<p>AC generators (alternators): 850162-- Of an output exceeding 75 kVA but not exceeding 375 kVA</p>	<p>It includes i) electric generators that include a rotor which is turned by a mechanical device like an internal combustion engine, or steam or water turbines and ii) a cell power plant makes use of a fuel processor to extract hydrogen from natural gas.</p>	<p>AC generator – 250 kVa:</p> 	<p>\$ 16,230,436 in imports. 8 major Canadian importers. Major exporters: China and United States</p>	<p>€ 75,095,231 in imports to the 28 E.U. members. Major exporters: Canada, China, Republic of Korea, Malaysia, Rusia, Saudi Arabia, etc.</p>	<ul style="list-style-type: none"> • This HS code appears to cover engines. • Certain types of equipment under this HS code may require affixation to immovable property in order to operate.
<p>82</p>	<p>850163 - ELECTRIC MOTORS AND GENERATORS OF AN OUPUT > 375 KVA BUT NOT > 750 KVA</p>	<p>AC generators (alternators): 850163-- Of an output exceeding 375 kVA but not exceeding 750 kVA</p>	<p>Same as above but higher capacity.</p>	<p>AC generator – 500kVa:</p> 	<p>\$ 6,905,573 in imports. 6 major Canadian importers. Major exporters: Mexico and United States.</p>	<p>€ 17,767,878 in imports to the 28 E.U. members. Major exporters: China, Republic of Korea, Rusia, and United States.</p>	<ul style="list-style-type: none"> • This HS code appears to cover engines. • Certain types of equipment under this HS code may require affixation to immovable property in order to operate.

83	850164 - ELECTRIC MOTORS AND GENERATORS OF AN OUPUT > 750 KVA	AC generators (alternators): 850164 -- Of an output exceeding 750kVA	Same as above but higher capacity.	AC generator – 1000kVA: 	\$ 34,677,007 in imports. 11 Major Canadian importers. Major exporters: United States.	€ 165,572,881 in imports to the 28 E.U. members. Major exporters: Brazil, China, India, Republic of Korea, Mexico, Norway, Serbia, Turkey, etc.	<ul style="list-style-type: none"> • This HS code appears to cover engines. • Certain types of equipment under this HS code may require affixation to immovable property in order to operate.
84	850211 - ELECTRIC GENERATING SETS AND ROTARY CONVERTERS, OUTPUT NOT > 75 KVA	Generating sets with compression-ignition internal combustion piston engines(diesel or semi-diesel engines): 850211 -- Of an output not exceeding 75 kVA	It includes power generating sets that may be installed underneath a truck frame between the truck cab and trailer and is fueled by the truck's fuel tank.	Diesel generating set – 50kVa: 	\$ 78,660,318 in imports. 23 major Canadian importers. Major exporters: China, Germany and United States.	€ 63,095,355 in imports to the 28 E.U. members. Major exporters: China, India, Japan, Switzerland, Turkey, and United States.	<ul style="list-style-type: none"> • This HS code appears to cover engines. • Certain types of equipment under this HS code may require affixation to immovable property in order to operate.
85	850212 - ELECTRIC GENERATING SETS AND ROTARY CONVERTERS, OUTPUT > 75 KVA BUT NOT > 375 KVA	Generating sets with compression-ignition internal combustion piston engines(diesel or semi-diesel engines): 850212 -- Of an output exceeding 75 kVA but not exceeding 375 kVA	Same as above but higher capacity.	Diesel generating set – 150 kVa: 	\$ 69,028,419 in imports. 22 major Canadian importers. Major exporters: China and United States.	€ 27,036,459 in imports to the 28 E.U. members. Major exporters: China, Norway, Turkey, and United States.	<ul style="list-style-type: none"> • This HS code appears to cover engines. • Certain types of equipment under this HS code may require affixation to immovable property in order to operate.

86	850213 - ELECTRIC GENERATING SETS AND ROTARY CONVERTERS, OUTPUT > 375 KVA	Generating sets with compression-ignition internal combustion piston engines(diesel or semi-diesel engines): 850213 -- Of an output exceeding 375kVA	Same as above but higher capacity.	<p>Diesel generating set:</p> 	<p>\$ 149,110,671 in imports.</p> <p>9 major Canadian importers.</p> <p>Major exporters: United States.</p>	<p>€ 112,040,837 in imports to the 28 E.U. members.</p> <p>Major exporters: Brazil, China, Japan, Republic of Korea, Norway, Turkey, Ukrain, United Arab Emirates, etc.</p>	<ul style="list-style-type: none"> • This HS code appears to cover engines. • Certain types of equipment under this HS code may require affixation to immovable property in order to operate.
87	850220 - GENERATING SETS WITH SPARK-IGNITION INTERNAL COMBUSTION PISTON ENGINES	850220 -- Generating sets with spark-ignition internal combustion piston engines	It includes i) a portable generator for consumer use to supply electrical power and ii) a heat recovery system to the generator set that may be attached to a heat recovery system to produce heat that is captured and used to heat water.	<p>Portable generator:</p> 	<p>\$ 198,732,880 in imports.</p> <p>27 major Canadian importers.</p> <p>Major exporters: China and United States.</p>	<p>€ 123,856,351 in imports to the 28 E.U. members.</p> <p>Major exporters: China, Japan, Norway, Switzerland, Thailand, and United States.</p>	<ul style="list-style-type: none"> • This HS code appears to cover engines. • Certain types of equipment under this HS code may require (temporary) affixation to immovable property in order to operate.
88	850300 - PARTS FOR USE WITH MACHINES OF 8501 OR 8502	850300 -- Parts suitable for use solely or principally with the machines of heading 8501 [<i>i.e.</i> Electric motors and generators (excluding generating sets)] or 8502 [<i>i.e.</i> Electric generating	It includes parts for items covered by items 80-87 in this list.		<p>\$ 239,436,437 in imports.</p> <p>37 major Canadian importers.</p> <p>Major exporters: China, Germany, Hungary, Italy, Malaysia, Mexico, Taiwan, etc.</p>	<p>€ 1,304,767,521 in imports to the 28 E.U. members.</p> <p>Major exporters: Albania, Australia, Bosnia and Herzegovina, Brazil, Canada, China, etc.</p>	<ul style="list-style-type: none"> • This HS code appears to cover parts. • Certain types of equipment under this HS code may require affixation to immovable property in order to operate.

		sets and rotary converters]					
89	870130-- TRACK-LAYING TRACTORS	870130 -- Track-laying tractors	It includes tractors propelled using a track-laying mechanism (i.e. continuous band of treads driven by two or more wheels).	Track-laying tractor: 	No data available for this product.	€ 94,408,105 in imports to the 28 E.U. members. Major exporters: Canada, Switzerland, and United States.	•
90	870190-- TRACTORS, NESOI	870190 —Other [tractors]	It includes i) agricultural tractors, ii) a log skidder which is a wheeled tractor with front-mounted dozer and either a rear-mounted grapple or a cable winch; and iii) forestry machinery such as feller bunchers, material handlers, skidders, a delimber, harvesters, a log forwarder, felling heads, a mulcher and a street trencher.	Log skidder: 	\$ 1,524,051,239 in imports. 3 major Canadian importers. Major exporters: China, Denmark, India, South Korea, and Netherlands.	€ 1,218,219,502 in imports to the 28 E.U. members. Major exporters: Belarus, China, India, Japan, Republic of Korea, Mexico, etc.	•
91	870410-- DUMPERS DESIGNED FOR OFF-HIGHWAY USE	870410 -- Dumpers designed for off-highway use	It includes off-highway dump trucks that are used strictly off-road for mining and heavy dirt hauling jobs.	Off-highway dumpers:	\$ 732,075,433 in imports. 6 major Canadian importers. Major exporters:	€ 189,695,621 in imports to the 28 E.U. members. Major exporters: Australia, Belarus, China, Japan,	•

					Norway and United States.	Mexico, Norway, South Africa, etc.	
92	870423-- TRUCK, DIESEL ENG, GVW > 20 METRIC TONS	Other [motor vehicles for the transport of goods], with compression-ignition internal combustion piston engine (diesel or semi-diesel) 870423 -- G.V.W. exceeding 20 metric tons	It includes i) a cargo vehicle equipped with a hydraulically-operated lifting and lowering platform designed for the transport of heavy loads and ii) timberjack forestry forwarders are solely used for loading logs and hauling logs for short distances.	Timberjack forwarded: 	\$ 935,388,319 in imports. 4 major Canadian importers. Major exporters: Mexico and United States.	€ 94,947,905 in imports to the 28 E.U. members. Major exporters: Norway, Russia, Switzerland, Turkey, etc.	•
93	870510-- MOBILE CRANES	870510 —Mobile Cranes	It includes i) a mobile crane that is a cable-controlled crane mounted on crawlers or rubber-tired carriers or ii) a hydraulic-powered crane with a telescoping boom mounted on truck-type carriers or as self-propelled models.	Mobile crane: 	\$ 286,942,208 in imports. 9 major Canadian importers. Major exporters: Japan and United States.	€ 24,857,929 in imports to the 28 E.U. members. Major exporters: Canada, China, Norway, Switzerland, Turkey, etc.	•
94	870600--CHAS W ENG F TRAC, MTR VEH F PASS/GD & SPECIAL PUR	870600 -- Chassis fitted with engines, for the motor vehicles of headings 8701 [i.e. Tractors (other	It includes dump carriers that can be used to haul materials such as earth, gravel, concrete, etc.	Chassis:	\$ 48,140,583 in imports. 10 major Canadian importers.	€ 58,383,707 in imports to the 28 E.U. members. Major exporters:	• This HS code appears to cover parts.

		than tractors of heading 8709)] to 8705 [<i>i.e.</i> Special purpose motor vehicles, other than those principally designed for the transport of persons or goods]			Major exporters: Japan and United States.	Brazil, Switzerland, Turkey, etc.	
95	870790-- BODIES F ROAD TRACTORS AND MOTOR VEH(PUB TRAN,ETC)	870790 —Other [bodies (including cabs), for the motor vehicles of headings 8701 to 8705]	It includes i) a sleeper cab shell that is essentially the sleeper cab structure with cutouts made for the windows, door, speakers, etc. and ii) mobile horseboxes built to house persons and horses when attached to an automotive cab and chassis.	Tractor cabin: 	\$ 99,561,540 in imports. 30 major Canadian importers. Major exporters: South Korea and United States.	€ 48,862,560 in imports to the 28 E.U. members. Major exporters: Bosnia and Herzegovina, Brazil, Japan, Thailand, Turkey, etc.	<ul style="list-style-type: none"> This HS code appears to cover parts.
96	870850--DRIVE AXLES WITH DIFFERENTIAL FOR MOTOR VEHICLES	870850 -- Drive-axles with differential, whether or not provided with other transmission components, and non-driving axles; parts thereof	It includes i) steel carrier assemblies used in the geared, electric drive system of off-highway dump trucks; ii) a differential that is used with four wheel drive (4 x 4) All Terrain Vehicles (ATV) (Outlander and Renegade) and Side by Side Vehicles (Commander) to constantly monitor	Drive axle with differential: 	\$ 1,071,973,713 in imports. 9 major Canadian importers. Major exporters: Brazil, China, Hungary, Italy, Poland, etc.	€ 918,509,423 in imports to the 28 E.U. members. Major exporters: Argentina, Australia, Belarus, Bosnia and Herzegovina, Brazil, China, Thailand, India, etc.	<ul style="list-style-type: none"> This HS code appears to cover parts.

			wheel speed; and iii) a lift axle assembly used on a heavy duty truck as a steerable, air lift, non-driving axle.				
97	870870--ROAD WHEELS & PTS & ACCESSORIES FOR MOTOR VEHICLES	870870 -- Road wheels and parts and accessories thereof	It includes i) wheels for undercarriages of tractors that acting as contact points and guides, help to distribute the machine weight evenly across the ground through the tracks; ii) wheel rims used on a railcar mover not designed for public road use but will be used to move the rail car off road while at the job site; and iii) wheel hub and spoke wheel assemblies used on road tractors for semi- trailers.	Road wheels: 	\$ 1,129,569,149 in imports. 23 major Canadian importers. Major exporters: Austria, China, France, Germany, Netherlands, Poland, etc.	€ 1,222,697,562 in imports to the 28 E.U. members. Major exporters: Bosnia and Herzegovina, Brazil, Canada, China, India, Indonesia, South Korea, etc.	<ul style="list-style-type: none"> This HS code appears to cover parts.

GE RECOMMENDATIONS FOR ADDITION TO MAC PROTOCOL PRELIMINARY LIST

98	842710—SELF- PROPELLED TRUCKS FITTED WITH LIFTING OR HANDLING EQUIPMENT, POWERED BY AN ELECTRIC MOTOR	842710 -- Self- propelled trucks powered by an electric motor	It includes i) forklift trucks that consist of a four-wheeled chassis with a front mounted mast assembly to which the forks are attached and ii) automated guided vehicles (AGVs) capable of holding articles weighing up	Forklift truck: 	\$ 280,890,378 in imports. 27 major Canadian importers. Major exporters: China, France, Germany, Japan, South Korea,	€ 88,254,427 in imports to the 28 E.U. members. Major exporters: China, India, Japan, South Korea, Norway, Switzerland, Taiwan, United States, etc.	<ul style="list-style-type: none"> Certain types of equipment under this HS code may have additional uses outside MAC industries.
----	---	---	--	---	--	--	--

			to 3 tons and incorporate lift tables.		United States, etc.		
99	842720—SELF-PROPELLED TRUCKS FITTED WITH LIFTING OR HANDLING EQUIPMENT, NOT POWERED BY AN ELECTRIC MOTOR	842720-- Other self-propelled trucks	It includes i) a wheeled, self-propelled lifting platform generally used to raise and lower produce in a harvesting operation and ii) hydraulic power unit designed to lift the tongue of a trailer from a towing vehicle, usually a heavy-duty pick-up truck, and move the trailer as a portable unit to a parking location.	Hydraulic power unit: 	\$ 616,281,964 in imports. 47 major Canadian importers. Major exporters: China, France, Italy, South Korea, United States, etc.	€ 190,425,431 in imports to the 28 E.U. members. Major exporters: China, Japan, South Korea, Norway, Switzerland, United States, etc.	<ul style="list-style-type: none"> • Certain types of equipment under this HS code may have additional uses outside MAC industries. • Certain types of equipment under this HS code may require affixation to immovable property in order to operate.
100	842790— OTHER WORKS TRUCKS FITTED WITH LIFTING OR HANDLING EQUIPMENT	842790— Other trucks	It includes i) pallet trucks that are used to lift and transport palletized loads weighing up to 5000 pounds and ii) mini lifter/skip hoist that can be used in a variety of general purpose lifting and short distance transport activities.	Pallet truck: 	\$ 88,936,695 in imports. 29 major Canadian importers. Major exporters: China, France, Mexico, United States, etc.	€ 82,105,081 in imports to the 28 E.U. members. Major exporters: China, South Korea, Switzerland, United States, etc.	<ul style="list-style-type: none"> • Certain types of equipment under this HS code may have additional uses outside MAC industries.
101	842890-- MACHINERY FOR LIFTING, HANDLING OR UNLOADING, N.E.S.	Already covered above in the original list					

<p>10 2</p>	<p>843120— PARTS OF FORK-LIFTS AND OTHER TRUCKS FITTED WITH LIFTING OR HANDLING EQUIPMENT, N.E.S.</p>	<p>843120-- Of machinery of heading 8427 [i.e. Fork-lift trucks; other works trucks fitted with lifting or handling equipment]</p>	<p>It includes i) a forklift set intended for use on or in conjunction with an all-terrain vehicle and ii) a pallet saver that is made of carbon steel in the shape of an inverted T, and is used to prevent damage to wood pallets.</p>	<p>Forklift set:</p> 	<p>\$ 163,268,524 in imports.</p> <p>36 major Canadian importers.</p> <p>Major exporters: Austria, Belgium, Brazil, China, Czech Republic, Denmark, Germany, India, Mexico, etc.</p>	<p>€ 264,796,302 in imports to the 28 E.U. members.</p> <p>Major exporters: Bosnia and Herzegovina, Canada, China, India, Indonesia, Japan, South Korea, Mexico, etc.</p>	<ul style="list-style-type: none"> • Certain types of equipment under this HS code may have additional uses outside MAC industries. • Certain types of equipment under this HS code may require affixation to immovable property in order to operate. • This HS code appears to cover parts.
<p>10 3</p>	<p>852691— RADIO NAVIGATIONAL AID APPARATUS</p>	<p>852691-- Radio navigational aid apparatus</p>	<p>It includes i) a Global Positioning System is designed to operate from satellite signals and provide the user with location and directional information and ii) a smart antenna that may be solely used with a notebook computer.</p>	<p>GPS:</p> 	<p>\$ 447,276,642 in imports.</p> <p>48 major Canadian importers.</p> <p>Major exporters: Belgium, China, France, Germany, Indonesia, Italy, South Korea, Mexico, Taiwan, etc.</p>	<p>€ 1,414,587,066 in imports to the 28 E.U. members.</p> <p>Major exporters: Australia, Brazil, Canada, China, Chile, Hong Kong, Japan, South Korea, Malaysia, etc.</p>	<ul style="list-style-type: none"> • Certain types of equipment under this HS code may have additional uses outside MAC industries. • Certain types of equipment under this HS code may require affixation to immovable property in order to operate. • This HS code appears to cover parts.

10 4	854449— OTHER ELECTRICAL CONDUCTORS FOR A VOLTAGE NOT EXCEEDING 80V	Other electric conductors, for a voltage not exceeding 1,000 V: 854449 -- Other	It includes i) telecommunication s cables used with computers and computer equipment to allow for the transfer/communic ation of information/data and ii) insulated electric cable, used in fire or security alarm applications.	Insulated electric cable: 	\$ 888,258,124 in imports. 24 major Canadian importers. Major exporters: Austria, China, Czech Republic, Finland, Japan, Netherlands, etc.	€ 1,561,656,135 in imports to the 28 E.U. members. Major exporters: Belarus, Bosnia and Herzegovina, Egypt, Hong Kong, India, etc.	<ul style="list-style-type: none"> • This HS code appears to cover parts. • Certain types of equipment under this HS code may have additional uses outside MAC industries. • Certain types of equipment under this HS code may require affixation to immovable property in order to operate. • It appears unlikely that certain types of equipment on this list would be uniquely identifiable.
---------	--	--	---	---	---	---	---