

Dagangan : SEAMLESS NON ALLOY STEEL PIPE

Nama Perdagangan : Seamless Carbon Steel Pipe
API 5L GR.X52Q

Kod Tarif (Perintah Duti Kastam 2012) :

7304.19 000

Tarikh Kelulusan : 12 Januari 2017

Keterangan barangan :

Barangan yang di namakan sebagai *Seamless Carbon Steel Pipe* merupakan paip besi dengan ukuran diameter luaran (*outer diameter*) 16 inci iaitu 406.4 mm dan *wall thickness* 0.5 inci (12.7mm).

Barangan diimport untuk kegunaan pembangunan dan pembuatan struktur pelantar minyak bagi projek pembangunan lapangan gas SK310, B15 di luar persisiran pantai Sarawak.

Barangan adalah seperti gambar di bawah :-



Berdasarkan *mill certificate* yang dikemukakan, barangan merupakan *seamless black steel pipe with bevelled ends 30 deg* yang mana *standard* yang digunakan adalah API 5L GR.X52Q PSL 2 iaitu *standard* ini adalah *standards for pipe suitable for use in conveying gas, water, and oil in both the oil and natural gas industries*.

Barangan merupakan *seamless steel pipes*.

Maklumat spesifikasi barangan adalah seperti berikut :-

| | |
|----------------|--|
| Commodity | Seamless black steel pipe with bevelled ends 30 deg |
| Standard | API 5L GR.X52Q PSL 2 – Specification for line pipe |
| Specification | NSSMC/STKPIPE/X52Q REV.1, TSL-3835R5, TSL-3836R2, TSL-4185R1 |
| Size/Dimension | Outer Diameter (O.D) – 16 inch Wall Thickness (W.T) – 0.500 inch Length – 38.71 feet |

| | | |
|----------------------|-----------------|----------------|
| Chemical composition | Carbon (C) | 0.05%, 0.06% |
| | Silicon (Si) | 0.2%, 0.22% |
| | Manganese (Mn) | 1.23% |
| | Phosphorus (P) | 0.008% |
| | Sulphur (S) | 0.001%, 0.002% |
| | Copper (Cu) | 0.01% |
| | Chromium (Cr) | 0.09%, 0.1% |
| | Nickel (Ni) | 0.02% |
| | Molybdenum (Mo) | 0.01% |
| | Titanium (Ti) | 0.009% |
| | Tin (Sn) | 0.001% |
| | Arsenic (As) | 0.002%, 0.003% |
| | Boron (B) | 0.0001% |
| Total Aluminium (Al) | 0.044%, 0.046% | |

Barangan dihasilkan dengan berdasarkan spesifikasi di dalam *standard* API 5L GR.X52Q PSL 2 di mana *standard* ini merupakan spesifikasi bagi paip besi yang digunakan untuk *pipeline transportation systems* dalam industri petroleum dan juga gas asli.

Ketua Pengarah Kastam Malaysia memutuskan barangan tersebut sesuai diperjeniskan di bawah kod tarif **7304.19 000** sebagai ***Line pipe of a kind used for oil or gas pipelines of non alloy steel.***

Barangan merupakan *seamless steel line pipe* yang digunakan untuk pembangunan dan pembuatan struktur pelantar minyak bagi projek pembangunan lapangan gas.

Barangan dihasilkan menggunakan spesifikasi di dalam *standard* API 5L GR.X52Q PSL 2 di mana *standard* ini merupakan spesifikasi bagi paip besi yang digunakan untuk *pipeline transportation systems* dalam industri petroleum dan juga gas asli. Berdasarkan *standard* yang digunakan, barangan adalah sesuai sebagai *line pipe*.

Walaupun kegunaan barangan adalah untuk pembangunan dan pembuatan struktur pelantar minyak dan bukan untuk *pipeline transportation systems*, barangan masih sesuai diperjeniskan sebagai *line pipe* dan bukan *standard pipes* yang diliputi oleh *subheading* yang berbeza. Penentuan sebagai *line pipe* atau *standard pipe* adalah berdasarkan kepada *intended use* dan *physical characteristics*.

Kandungan elemen *carbon* yang terkandung di dalam barangan adalah 0.05% dan 0.06%. Oleh itu, barangan menepati definisi *steel* sesuai sebagaimana keterangan EN HS 2012 *Chapter Note* 1(d) muka surat XV-72-1 iaitu :-

Steel

*Ferrous materials other than those of heading 72.03 which (with the exception of certain types produced in the form of castings) are usefully malleable and which **contain by weight 2 % or less of carbon.** However, chromium steels may contain higher proportions of carbon.*

Komposisi barangan adalah terdiri daripada *non alloy steel* di mana barangan tidak memenuhi definisi *alloy steel* sebagaimana keterangan *Chapter Note 1(e)* dan *Chapter Note 1(f)* *Chapter* 72 di dalam Perintah Duti Kastam 2012 iaitu:-

Chapter Note 1(e)

(e) Stainless steel

Alloy steels containing, by weight, 1.2 % or less of carbon and 10.5 % or more of chromium, with or without other elements.

(f) Other alloy steel

Steels not complying with the definition of stainless steel and containing by weight one or more of the following elements in the proportion shown:

- *0.3 % or more of aluminium*
- *0.0008 % or more of boron*
- *0.3 % or more of chromium*
- *0.3 % or more of cobalt*
- *0.4 % or more of copper*
- *0.4 % or more of lead*
- *1.65 % or more of manganese*
- *0.08 % or more of molybdenum*
- *0.3 % or more of nickel*
- *0.06 % or more of niobium*
- *0.6 % or more of silicon*
- *0.05 % or more of titanium*
- *0.3 % or more of tungsten (wolfram)*
- *0.1 % or more of vanadium*
- *0.05 % or more of zirconium*
- *0.1 % or more of other elements (except sulphur, phosphorus, carbon and nitrogen), taken separately.*

Perbandingan di antara keperluan di dalam *Chapter Note 1(f)* dan juga barangan :-

| Element | % kandungan di dalam barangan | Keperluan di dalam <i>Chap Note 1(f)</i> |
|------------------------|--------------------------------------|---|
| <i>Silicon(Si)</i> | 0.2%, 0.22% | 0.6% or more |
| <i>Manganese (Mn)</i> | 1.23% | 1.65% or more |
| <i>Phosphorus (P)</i> | 0.008% | 0.1% or more of other elements (except sulphur, phosphorus, carbon and nitrogen), taken separately. |
| <i>Sulphur (S)</i> | 0.001%, 0.002% | 0.1% or more of other elements (except sulphur, phosphorus, carbon and nitrogen), taken separately. |
| <i>Copper (Cu)</i> | 0.01% | 0.4 % or more of copper |
| <i>Chromium (Cr)</i> | 0.09%, 0.1% | 0.3 % or more of chromium |
| <i>Nickel (Ni)</i> | 0.02% | 0.3 % or more of nickel |
| <i>Molybdenum (Mo)</i> | 0.01% | 0.08 % or more of molybdenum |
| <i>Titanium (Ti)</i> | 0.009% | 0.05 % or more of titanium |
| <i>Boron (B)</i> | 0.0001% | 0.0008 % or more of boron |
| <i>Aluminium (Al)</i> | 0.044%, 0.046% | 0.3 % or more of aluminium |

Berdasarkan perbandingan di atas, barangan adalah tidak sesuai sebagai *alloy steel*.

Barangan mendapat liputan di dalam EN HS 2012 muka surat XV-7304-1 seperti berikut :

73.04 – Tubes, pipes and hollow profiles, seamless, of iron (other than cast iron) or steel.

- *Line pipe of a kind used for oil or gas pipelines :*

7304.11 -- *Of stainless steel*

7304.19 -- *Other*

Tubes, pipes and hollow profiles of this heading may be manufactured by the following processes:

- (A) Hot-rolling of an intermediate product, which can be either an ingot, rolled and peeled, a billet or a round obtained by rolling or continuous casting.*
- (B) Hot-extrusion in a press using glass (UGINE-Sejournet process) or another lubricant, of a round. This method actually includes the following operations: piercing, expansion or not, and extrusion.*
- (C) Casting or centrifugal casting.*
- (D) Deep drawing of a disc placed over a forming mould, the blank produced being subsequently hot-drawn.*
- (E) Forging.*
- (F) Machining of bars followed by cold-drawing or cold-rolling (cold reducing) operations (excluding hollow drill bars of heading 72.28).*

The products of this heading include, in particular, line pipes of a kind used for oil or gas, casing, tubing and drill pipes of a kind used in drilling for oil or gas, tubes and pipes suitable for use in boilers, superheaters, heat exchangers, condensers, refining furnaces, feedwater heaters for power stations, galvanized or black tubes (so-called gas tubes) for high or medium pressure steam, or gas or water distribution in buildings, as well as tubes for water or gas street distribution mains. In addition tubes and pipes are used for the manufacture of parts for automobiles or for machinery, of rings for ball bearings, cylindrical, tapered or needle bearings or for other mechanical uses, for scaffolding, tubular structures or building construction.

The heading excludes:

(a) – (f)

Subheading Explanatory Notes

Subheadings 7304.11, 7304.19, 7304.22, 7304.23, 7304.24 and 7304.29

These subheadings cover all such articles irrespective of the standards or technical specifications which they meet (e.g., American Petroleum Institute (API) standards 5L or 5LU for line pipe and API standards 5A, 5AC or 5AX for casing, tubing and drill pipe).