

DRAWINGS

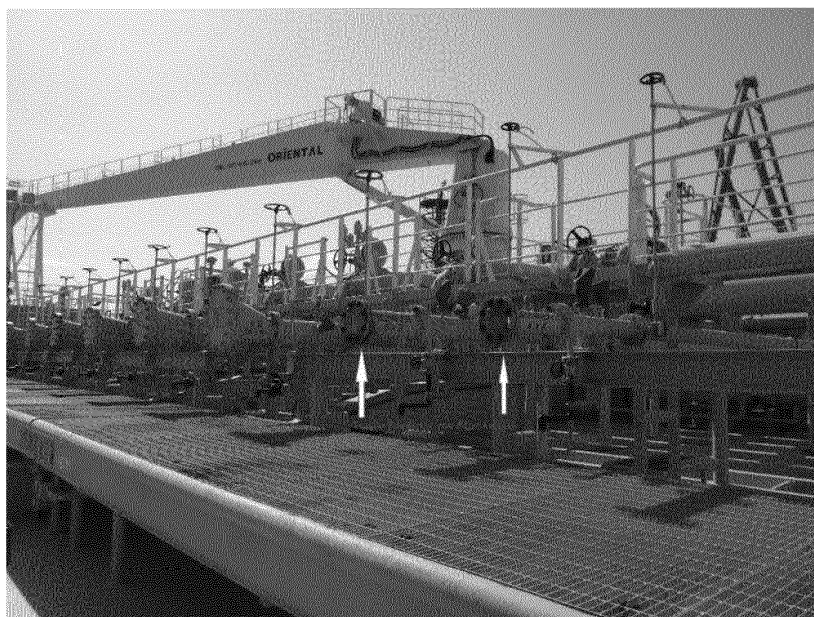


FIGURE 1

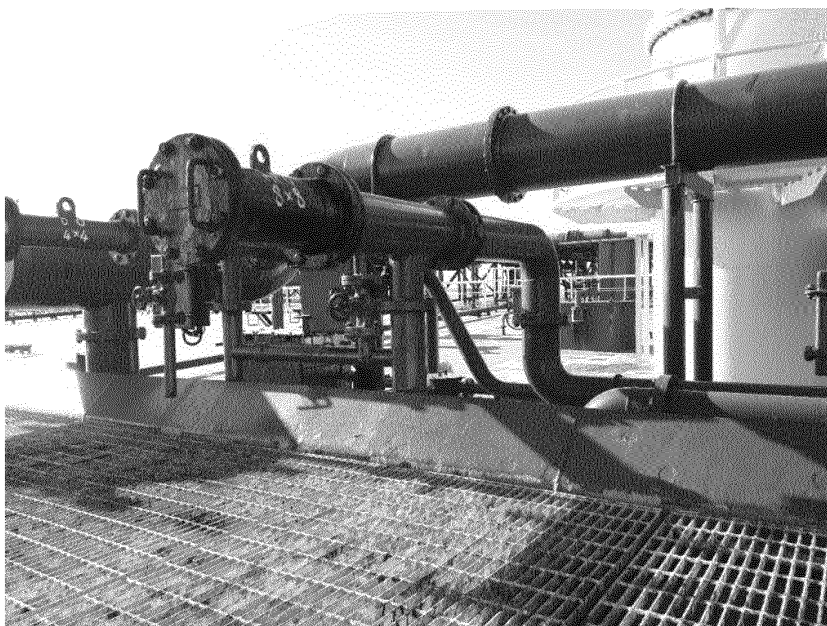


FIGURE 2

SUBSTITUTE SHEET (RULE 26)

Characteristic	Unit	Limit	Category ISO-F-												Test method reference
			RMA			RMB			RMD			RME			RMK
			10	30	80	180	380	500	700	380	500	700	380	500	700
Kinematic viscosity at 50 °C	mm ² /s ^a	Max	10,00	30,00	80,00	180,0	380,0	500,0	700,0	380,0	500,0	700,0	380,0	500,0	700,0
Density at 15 °C	kg/m ³	Max	920,0	960,0	975,0	991,0	991,0	991,0	991,0	991,0	991,0	991,0	991,0	991,0	991,0
CCAI	–	Max	850	860	860	860	860	860	860	860	860	860	860	860	860
Sulfur ^b	mass %	Max	Statutory requirements												ISO 87/54 or ISO 14596 or ASTM D4294; see 6.3
Flash point	°C	Min	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0	60,0
Hydrogen sulfide	mg/kg	Max	2,00	2,00	2,00	2,00	2,00	2,00	2,00	2,00	2,00	2,00	2,00	2,00	2,00
Acid number ^c	mg KOH/g	Max	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Total sediment – Aged	mass %	Max	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10	0,10
Carbon residue – Micro method	mass %	Max	2,50	10,00	14,00	15,00	15,00	15,00	15,00	15,00	15,00	15,00	15,00	15,00	15,00
Pour point (upper) ^d	winter	Max	0	0	30	30	30	30	30	30	30	30	30	30	30
	summer	Max	6	6	30	30	30	30	30	30	30	30	30	30	30
Water	volume %	Max	0,30	0,50	0,50	0,50	0,50	0,50	0,50	0,50	0,50	0,50	0,50	0,50	0,50
Ash	mass %	Max	0,040	0,070	0,070	0,070	0,070	0,070	0,070	0,070	0,070	0,070	0,070	0,070	0,070
Vanadium	mg/kg	Max	50	150	150	150	150	150	150	150	150	150	150	150	150
Sodium	mg/kg	Max	50	100	100	100	100	100	100	100	100	100	100	100	100
Aluminium plus silicon	mg/kg	Max	25	40	40	40	40	40	40	40	40	40	40	40	40
Used lubricating oil (ULO):	mg/kg	–	Calcium > 30 and zinc > 15 or Calcium > 30 and phosphorus > 15												IP 501, IP 470 or ISO 14597; see 6.14 IP 501, IP 470; see 6.15 IP 501, IP 470 or ISO 10478; see 6.16 IP 501 or IP 470, IP 500; see 6.17

FIGURE 3

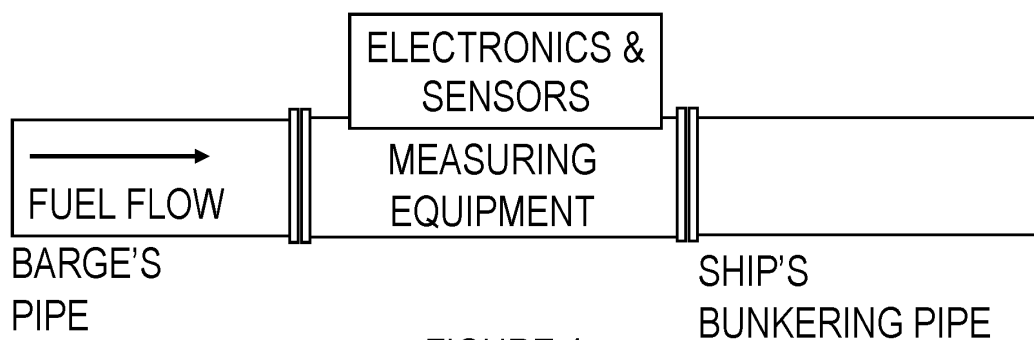


FIGURE 4

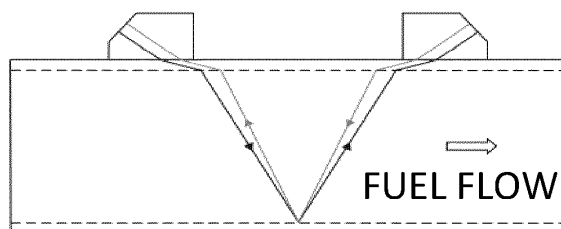


FIGURE 5

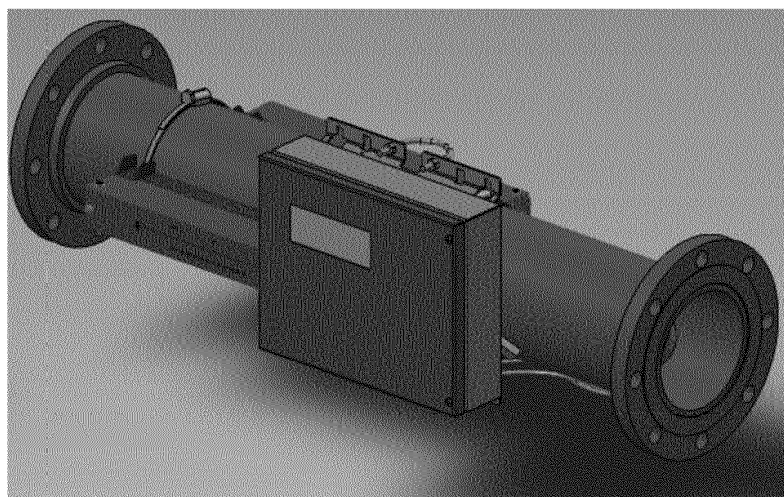


FIGURE 6