NESTE OIL

Jurmo / Purha 25 049/25 000 DWT Chemical/Product Carrier

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- General information
- Profile and tanks
- Deadweight scale

refining the future

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General description

The vessel has been constructed for the carriage of IMO class II chemicals and oil products.

Main particulars

Length O.A.		169,50 m
Length B.P.		159,12 m
Breadth moulded		23,75 m
Depth moulded		14,90 m
Draught on summer freeboard		10,90 m
Corresponding deadweight	Jurmo	25 049 mt
	Purha	25 000 mt
Draught on winter freeboard		10,67 m
Distance keel/top antenna		41,2 m

Registered tonnage	Gross	Net
International	15 980	7 777
Panama		13 383
Suez	16 405	14 134

Classification

Det Norske Veritas : +1A1 Tanker for oil products and chemicals ESP ICE-1A* EO W1 HL(1,54) ETC TMON
Ship type: 2, a2, b3, c3, v3, f2, str 0.1
Finnish-Swedish Ice class 1 A Super

IMO no

Jurmo	9255270
Purho	9255268

Flag

FI

Builders

China Changjiang National Shipping Group, Jinling Shipyard

Built

2003 Purha
2004 Jurmo

Speed and consumption

Trial speed at design draught 16,6 kn.
Fuel oil consumption of the main engine at normal service speed of 14,5 kn HFO 32 mt / day

Propulsion machinery

One 9 cylinder Wärtsilä NSD 9L 46 C, max. continuous output 9 450 kW at 500 r.p.m

Auxiliary machinery

Three Wärtsilä NSD 6L20 engines, output 3 * 1 020 kW at 900 r.p.m

Aux. Boilers

Two HDW VOS-10, Oil Fired Water / Smoke tube Type
Rated Evaporation 10 000 kg/h saturated steam
Working pressure 8 bar g

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Exhaust Gas Economizer

One HDW VAZ 270, Forced Circulation Fin Type
Evaporation & Steam condition
Saturated steam at 85 % MCR 1550 kg / h at 8 bar g

Bow thruster

One Electric Driven KaMeWa CP-propeller,
dia 2400 mm / Power 1200 kW

Nautical equipment

The Wheelhouse is DNV Classified as one man bridge. The Wheelhouse has two identical conning places with two (2) identical ECDIS (electronic chart and information system), two (2) radars and integrated bridge control system.

Fuel oil/Diesel oil/Ballast water capacities

Fuel oil	936,2 m^3
Diesel oil	113,3 m^3
Ballast water	10 969,7 m^3

Cargo equipment

Seven (7) pair fully epoxy-coated of Cargo Tanks, one pair of cargo tanks (number 6) can be used as slop tanks.

Cargo oil pumps:
Electric driven deep well pumps, variable speed,

Maker: Hamworthy KSE Svanehoj,

Capacity:
Tank 1+2 PS/SB
300 m^3/h, head 130 m l.c./specific gravity 1,0

Tank 3+4+5+7 PS/SB
445 m^3/h, head 130 m l.c./specific gravity 1,0

Tank 6 (Slop) PS/SB
200 m^3/h, head 130 m l.c./specific gravity 1,0

Drain tank pump
30 m^3/h, head 100 m l.c./specific gravity 1,0

Ballast pumps (2):
Capacity 650 m^3/h, head 20 m l.c.

Inert gas system

Inert gas generator Air Products MPG-900, Capacity 3250 m^3/h, fuel type MDO

Inert gas system is provided to for cargo and slop tanks. The ballast tanks and the cargo piping can be inerted by removable connections.

Nitrogen system

Nitrogen gas generator Air Products, Capacity 50 Nm^3/h@ 96%N2

Nitrogen system is provided for cargo stripping, purging of cargo piping and creating nitrogen layer on top of cargo.

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Cargo heating

The cargo and slop tanks are provided with double loop heating coils of stainless steel. Primary heating with steam. Secondary heating medium water glycol mixture.

Heating capacity for raising the temperature of full cargo, HFO, from +44°C to +66°C in 96 hours. Max cargo maintaining temperature +80°C.

Tank cleaning equipment

Each cargo tank and slop tank has 2 Scanjet SC30T deck mounted fixed installed single nozzle tank washing machine with an integrated programmable turbine driven unit. Media driven.

Four tanks can be washed simultaneously.

The water for tank cleaning can be heated by two (2) heat exchanger, common capacity 100 m^3/h fresh or sea water from 0 to 80°C

Cargo tanks	m^3 (100 %)
Cargo tank CT 1P	1 628
Cargo tank CT 1S	1 609
Cargo tank CT 2P	1 539
Cargo tank CT 2S	1 521
Cargo tank CT 3P	2 576
Cargo tank CT 3S	2 546
Cargo tank CT 4P	2 904
Cargo tank CT 4S	2 870
Cargo tank CT 5P	2 579
Cargo tank CT 5S	2 549
Cargo tank CT 6P (slop)	650
Cargo tank CT 6S (slop)	629
Cargo tank CT 7P	2 282
Cargo tank CT 7S	2 145
Total	28 027

Cargo manifold positions

Parallel body length, loaded/ballasted
93,50 m / 79,35 m

Centre of manifold from bow/stern
81,90 m / 87,00 m

Manifold above waterline, ballasted
10,80 m / 11,35 m

Manifold from rail (from shell plate)
4,60 m

Manifold from deck (lower/upper pipes)
1,95 m / 2,50 m

Hose handling crane

Hose handling crane Acta S.W.L. 10 mt

Max. outreach at manifold 7,5 m, 1 set

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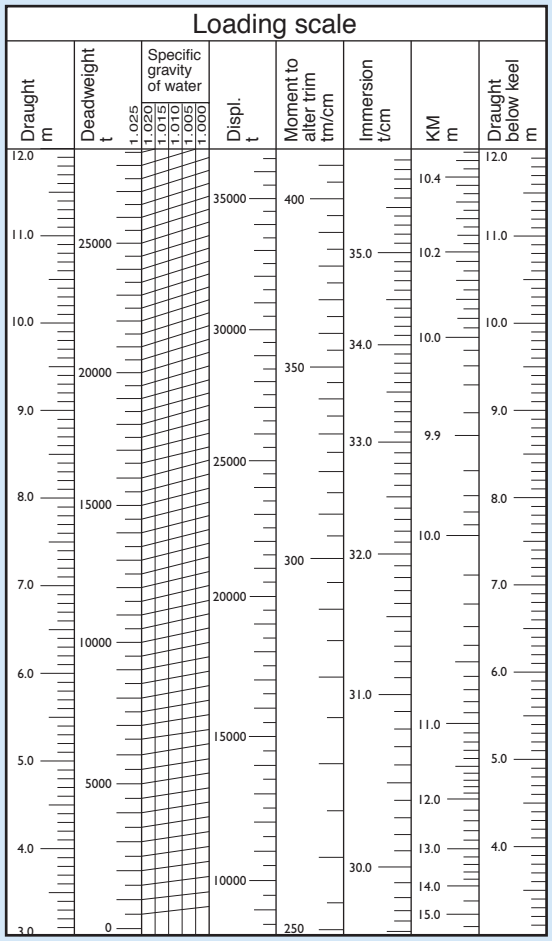

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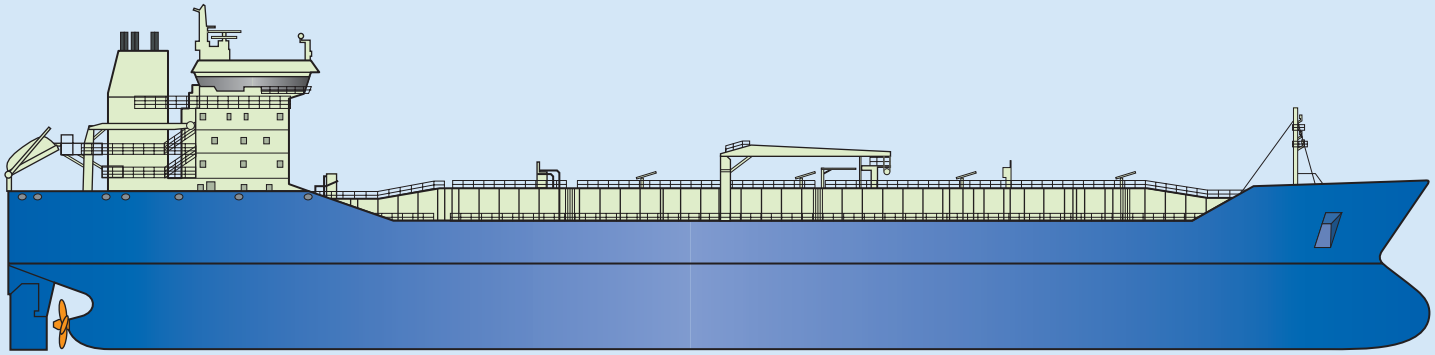

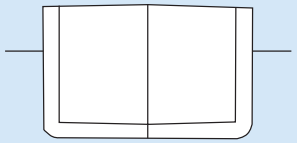

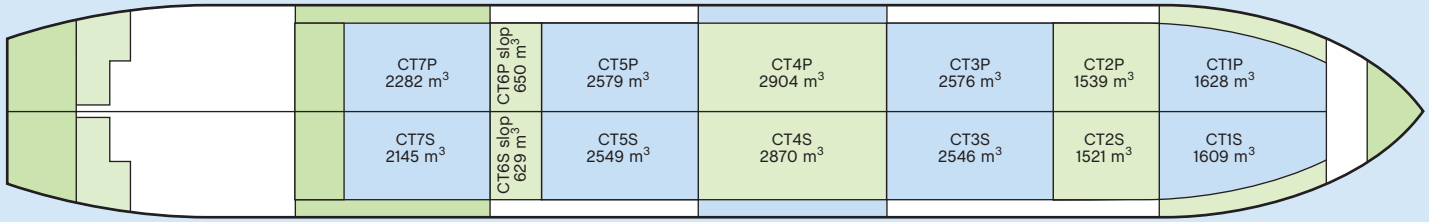

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