

Cargo Handling Sheet

Non-Shell Product

HyGold L750

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Revision 1

Cargo Handling Sheets are for the use of vessels chartered by Shell Chemicals

Information is obtained from supplier's SDS and other reference publications.

Product Details

Product Name:	HyGold L750
Shipping Name:	Hydrotreated Heavy Naphthenic Base Oil
Chemical Family:	Distillates (Petroleum) Hydrotreated Heavy Naphthenic
Product Code:	Non-Shell; Ergon Refining product
SDS:	Get from loading terminal or charterer

Physical Properties

Relative Density:	0.92 @ 15.56 °C / 60 °F
Kinematic Viscosity:	144 cSt @ 40 °C / 104 °F
Vapor Pressure:	Not Available
Boiling Point:	320 °C / 608 °F
Melting Point:	-27 °C / -16.6 °F
Pour Point:	-12 to -10 °C / 10 – 13 °F
Flash Point:	217 °C / 423 °F
Appearance:	Clear Amber Liquid with mild petroleum odour

Note 1: Physical Properties are for reference only; see loading terminal for specific properties.

Transhipments

Prior to arranging transhipment Charterer must agree to Owner's proposed plan. When arranged by the Owner, Owner must ensure that all transhipment vessels comply with the requirements of this cargo handling sheet.

Marpol Details

Marpol Annex:	I
IMO Ship Type:	Double hull vessels certified for carriage of oil
Inland Barge:	Double Hull

IMO Pollution Category:	Annex I
IBC 16.2.6:	Not applicable
IBC 16.2.9:	Not applicable
Pre-wash Required:	Not Applicable; wash/disposal as per Annex I
Compatibility Group:	USCG compatibility group 33

Cargo Handling Requirements

N2 Purge Cargo Tanks Prior to Loading:	No
N2 Blanket Required:	Yes, PQ Requirement, Max 2% O2, see notes below
Adjacent Space Purge:	No
Loading Temperature Range:	38 – 54 °C / 100 – 130 °F
Transit Temperature Range:	Ambient to Loading Temp
Discharge Temperature Range:	38 – 46 °C / 100 – 115 °F
Maximum Heating Coil Temperature:	65 °C / 149 °F; see note below
Adjacent Maximum Cargo Temperature:	46 °C / 115 °F

Note 1: If Nitrogen blanket is in place and Carrier chooses to tranship, carrier must reapply nitrogen blanket on the cargo, both on the discharging and receiving vessel, at their time, risk, and expense.

Note 2: PQ = Product Quality

Note 3: N2 Blanket Guidance:

- a. O2 level in tanks: 2 % O2 or See Regional Requirements
- b. Vessel to maintain a constant nitrogen overpressure of 20 millibars or more during the voyage
- c. Vessel to keep a daily N2 log of each tank:
 1. Tank pressure
 2. O2 level
 3. Tank Temperature

Log is to be presented to receiver at time of discharge and a copy sent to Charterers.

Note 4: This product is viscous and will pump better when heated. It does not require heating during the voyage unless in extreme cold ambient temperatures.

Regional Requirements

None

Tank Acceptance Requirements

All nominated shipboard cargo handling systems are to be presented clean (residual free), dry, odour free, rust free, with good gaskets, fit to load this cargo.

Maintenance of heating coils is to be verified in the ship's log. If product is to be heated, heating coils are to be confirmed leak free. If product is not heated, heating coils are to be blown clear and dried with N₂, and blanked off.

Stainless Steel or Coated Tank:	Either, carrier to verify suitability of coating for product
Banned Prior Cargo:	No
Wall Wash Required:	No

Safety Information and Incident Reporting

Safety Information:

For more detailed information, refer to the SDS or e-SDS for reportable spill/release quantities whether in the water, air or ground.

Incident Reporting for vessels on Shell charter.

International Registered Vessels: call Shell International Trading and Shipping in London on +442079347777.

Jones Act Vessels: call the Shell 24 hr. incident number at +17132412532. The USA National response center telephone number is +18004248802.

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