Petroleum products

Very low sulfur fuel oil (VLSFO)

Residual petroleum fuel

VLSFO



Material illustration

Technical characteristics

Very low sulphur fuel oil (VLSFO) for marine service contains up to 0.50% sulphur by mass. The term describes sulphur level; viscosity and blend composition vary by lot.

Property	Reference value	Method or source
Sulphur ceiling	**0.50 %**	IMO · Reg. 14
Classification	**ISO 8217**	ISO 8217:2024
Kinematic viscosity	**ASTM D445**	ASTM D445

Alongside sulphur, compare ISO 8217 category, kinematic viscosity, density, flash point, sediment and catalytic fines (Al + Si). Check the sulphur limit for the trading area.



Applications

For marine machinery designed for the agreed fuel category. Bunker planning includes segregated storage or compatibility testing with fuel remaining on board.



Packaging and receipt

Bulk into compatible ship or shore tanks. Receiving arrangements depend on cargo viscosity, heating and pump capacity. Remaining fuel in the tank matters when checking compatibility before blending.

For acceptance, check the agreed specification and the certificate of analysis (COA) for the delivered lot.