



ALPHA TRUNK PISTON OILS

TECHNICAL SPECIFICATIONS

Product Description

OUR MARINE TRUNK PISTON OILS (312-315-320-330-412-415-420-430 440)
ARE SUITABLE FOR LUBRICATION OF :

- 4-Stroke single-fuel diesel engines
- 4-Stroke dual-fuel diesel engines
- Stern bearings and pipes
- Reduction gears

Marine piston oils provide marine companies with high safety margins and high levels of engine cleanliness

Recommendations And Benifits :

ALPHA ENERGY range of marine piston oils is suitable for four-stroke high and medium speed diesel engines on both land and sea. The range is compatible with all major fuels including high and low sulfur fuel oil (HSFO and LSFO), liquefied natural gas, distillate, marine diesel oil and gas oil.

Specifications

OPTIMA TRUNK PISTON OILS	TEST METHODS	312 SAE 30	315 SAE 30	320 SAE 30	330 SAE 30	340 SAE 30	412 SAE 40	415 SAE 40	420 SAE 40	430 SAE 40	440 SAE 40
Density Kg/m ³ 15°C - 20°C	D 1298	0.870	0.870	0.876	0.887	0.887	0.870	0.870	0.876	0.890	0.890
Flash point °C	D 92	>220	>220	>220	>220	>220	>220	>220	>220	>220	>220
Pour point °C	D 97	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18
Viscosity mm ² /s 100°C	D 445	11	11	11	11	12	16	16	16	16	16
Viscosity @40	D 7042	93	93	93	93	110	140	140	140	140	140
VISCOSITY INDEX	D 2270	>98	>98	>98	>98	>98	>98	>98	>98	>98	>98
TBN,MG KOH/G	D 2896	12	15	20	30	40	12	15	20	30	40
FOAM	D 892	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at :
www.alphaenergy.com.eg

AT ALPHA ENERGY PETROLEUM INDUSTRIES, WE FOCUS ON CREATING ADVANCED LUBRICANTS AND LUBRICANT COMPOUNDS THAT ENHANCE MACHINE EFFICIENCY AND EXTEND SERVICE LIFE.