



PRODUCT DATA SHEET

Havens Trunk Piston Engine Oil 3012

DESCRIPTION

Havens Trunk Piston Engine Oil 3012 specially designed for modern Medium Speed 4-stroke Marine Engines running Intermediate Fuel Oil (IFO) or Heavy Fuel Oil (HFO)

Havens Trunk Piston Engine Oil is a range of trunk piston engine oils developed for use in medium speed diesel engines burning residual fuels. This oil combines an exclusive formulation of latest additive technologies, and a highly refined base oil to provide a substantial safety margin to cope with the higher stress levels even with the latest and future designs of diesel engines.

PROPERTIES

- Excellent thermal resistance and high temperature oxidation resistance
- Very good detergent and dispersant properties at high temperatures
- Good wear protection and oil film strength at extreme pressures
- Excellent water resistance
- Reduced build up heavy deposits in the engine leading to a reduction in maintenance costs
- Very good neutralizing capability of acidic products of combustion

APPLICATIONS

- Turbocharged main and auxiliary engines of all types and all ratings running on
- Intermediate Fuel oil or on Heavy Fuel oil with high sulphur content
- Bearings and stern-tubes
- Reduction gear lubrication

TYPICAL PROPERTIES

PARAMETERS	TEST METHOD	UNIT	Havens Trunk Piston Engine Oil 3012
Viscosity Grade	-	-	30
TBN	-	-	12
Density @ 15°C	ASTM D1298	kg/l	0.91
Viscosity @ 100°C	ASTM D445	cSt	11.8
Viscosity @ 40°C	ASTM D445	cSt	101.6
Viscosity Index (min)	ASTM D2270	-	105
Flash Point	ASTM D92	°C	≥ 230
BN	ASTM D2896	mg KOH/g	30

The values shown above are typical values at the date of publication. Havens Lubricants reserves the right to change these typical values without prior notice.

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.havenslubricants.com.