

PRODUCT & TECHNICAL DATA

CASTROL HLX RANGE Diesel engine lubricants

DESCRIPTION

HLX is a Super High Performance Diesel (SHPD) lubricant, specially formulated to meet the latest performance requirements of marine monograde lubricant specifications, allowing extended drain periods to effectively compete with performance normally associated with synthetic oils. HLX is available in both SAE 30 and 40 viscosity grades.

APPLICATIONS

HLX, positioned at the top of the Castrol range of mineral based lubricants, is formulated for use in very highly rated high speed marine and power generation diesel engines that use distillate fuel with sulphur from zero up to 1% and require extreme performance. It is particularly suitable for high power density applications such as fast ferries.

FEATURES/BENEFITS

HLX uses premium additive technology blended in high quality, high viscosity index base oils. It provides superior detergency and excellent thermal and oxidative stability required to lubricate today's most severe diesel engine applications.

In summary, HLX provides:

- Extended oil drain intervals.
- Excellent high temperature performance.
- Superior resistance to bore polishing.
- Improved lacquer resistance.
- Synthetic performance in a mineral oil.

APPROVALS STATUS

HLX 30 and HLX 40 are approved by all the major OEM's, including approval as a "Type 2" MTU monograde lubricant, that allows drain intervals to be doubled over standard marine oils.

HLX additive technology exceeds API CF and ACEA E3 - tested to MB 228.2, MAN M3275 and Volvo VDS-2.

CARE AND HANDLING

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

PACKAGING AND STORAGE

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings.

Products should not be stored above 60°C, exposed to hot sun or freezing conditions.



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TECHNICAL DATA

TYPICAL CHARACTERISTICS	UNIT	TEST METHOD	VALUE	VALUE
HLX			30	40
SAE Grade			30	40
Density @ 15°C	g/ml	ASTM D4052	0.895	0.900
Viscosity @ 100°C	cSt	ASTM D445	11.5	14.5
Base Number	mgKOH/g	ASTM D2896	12	12
Closed Flash Point	°C	ASTM D93	225	228
Pour Point	°C	ASTM D97	<-15	<-15

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

GENERAL ADVICE

Further information on all Castrol Marine lubricants is available from any Castrol Marine office or from:

Castrol Marine www.castrolmarine.com
Technology Centre
Whitchurch Hill
Pangbourne
Reading RG8 7QR
United Kingdom

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