

Premium-Performance Multi-grade Hydraulic Oil with DYNAVIS Technology

Product Description

Pertamina Turalik HE Series is a range of Premium Quality Multi-Grade Hydraulic Oils formulated with PERTAMINA's base oil DUBASE and, the DYNAVIS Technology from Evonik, to deliver long-lasting performance and increased energy efficiency.

Pertamina Turalik HE Series is available in a range of 3 viscosity variants:

- ❖ Turalik HE SAE 32
- ❖ Turalik HE SAE 46
- ❖ Turalik HE SAE 68

Application

Pertamina Turalik HE Series range is recommended for the majority of equipment used in the mining and construction industries, provided that the ISO viscosity grade selected is to the equipment manufacturer's specifications.

Typical Characteristics

PROPERTIES	TEST METHOD	TURALIK HE 32	TURALIK HE 46	TURALIK HE 68
ISO Viscosity Grade	-	32	46	68
Density at 15 °C, Kg/L	ASTM D - 4052	0.8382	0.8458	0.8544
Kinematic Viscosity at 40 °C, cSt	ASTM D - 7279	31.09	47.1	67.9
Kinematic Viscosity at 100 °C, cSt	ASTM D - 7279	6.7	9.17	12.27
Viscosity at Index	ASTM D - 2270	181	181	181
ASTM Colour	ASTM D - 1500	L 0.5	L 0.5	L 0.5
Flash Point, °C	ASTM D - 92	238	244	246
Pour Point, °C	ASTM D - 97	-39	-13	-36
Foaming Tend/Stab Seq I/II/III, mL	ASTM D - 892	0/0, 0/0, 0/0	0/0, 0/0, 0/0	0/0, 0/0, 0/0

Performance Benefits

Heavy-duty equipment constantly experiences extreme operating environmental and temperature conditions and, therefore, require a high-performance lubricant that delivers:

- ❖ Outstanding durability that protects equipment components operating in extreme conditions.
- ❖ Much wider temperature operating range.
- ❖ Significantly reduced fuel costs up to 8.5%*
- ❖ Increased equipment productivity due to less downtime.
- ❖ Improved low emissions target due to its advanced formulation technology.

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Performance Standards

Pertamina Turalik Series meets the performance requirements of:

- ❖ DIN 51524 Part 3 Specification
- ❖ Denison HF-0 (Approved)
- ❖ HF-1 / HF-2
- ❖ DYNAVIS Performance Standard*
- ❖ Fives Cincinnati P-98 / P-69 / P-70

**Source Evonik Field Test Report*

Health and Safety

Please contact Pertamina Marketing Head Office for appropriate Material Safety Data Sheet containing information related to Work Health and Safety protection.

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Disclaimer:

Information presented in this Product Data Sheet is as accurate as possible prior to printing. Such information is based upon standard industry tests under controlled laboratory conditions and presented as a guide only. To assess product suitability for its intended application, it is recommended that users refer to the latest version of the Product Data Sheet because the information contained herein is subject to change, without notice, due to the upgrades in product formulation, manufacturers' equipment specifications, user applications and storage.