

HERCULES PREMIUM MA 15W-40

SUPER ULTRA HIGH PERFORMANCE DIESEL ENGINE OIL (SUHPD) - MINERAL

BULWARK HERCULES PREMIUM MA 15W-40 oils are high quality mineral blend, Super High-Performance Diesel engine oils (SHPD) designed to meet latest ACEA requirements and more challenging OEM specifications for Euro 6 commercial diesel vehicles equipped with EGR, SCR & NOx reduction systems and with diesel particulate filters (DPF).

BULWARK HERCULES PREMIUM MA 15W-40 oils are manufactured using high quality base oils with premium additives to provide proven & reliable long drain interval and all year-round performance. Recommended for use with Ultra Low Sulphur Diesel (ULSD) in turbo-charged high speed 4-stroke diesel engines deployed in off-highway and on-highway applications including the mining & construction industry, where ACEA E9-16 & API CJ-4 oils are specified.

PERFORMANCE LEVEL*

- CJ-4/CI-4 PLUS/SN
- ACEA E9-16; MB 228.31
- MTU TYPE 2.1; CAT ECF-3; CUMMINS CES 20081
- VOLVO VDS 4; MACK EO-O PP & RENAULT RLD-3
- DETROIT DDC93K218; DEUTZ DQC III-18 LA; Ford WSS-M2C171-F1

KEY BENEFITS

- Lower maintenance costs from minimized piston crown deposits.
- High VI ensures improved oil circulation and reduced friction at start-up and maximum lubricity at higher operating temperatures.
- Excellent oxidation stability & BN retention ensure negligible oil degradation and improves oil service life in turn providing Longer drain intervals.
- Reduced oil consumption due to shear stable VI improvers and low volatile hydro-processed base fluid.

TYPICAL CHARACTERISTICS**

Properties	Test Methods	15W-40
Density at 29.5 °C, kg/m ³	ASTM D4052	0.872
Kinematic Viscosity at 40°C, mm ² /s	ASTM D445	100.1
Kinematic Viscosity at 100°C, mm ² /s	ASTM D445	13.85
Viscosity Index	ASTM D2270	140
Flash Point COC, °C	ASTM D92	242
Pour Point, °C	ASTM D97	-39
TBN Mg KOH/g	ASTM D2896	7.70
CCS @-20°C, m.Pa.S	ASTM D5293	4890

* Performance levels indicated may include licensed API specs or specs that our products meet or exceed

** Typical Characteristics are typical values. Minor variations within the permissible tolerance limits may be expected on the final product.

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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