

HERCULES PREMIUM XLA

10W-30, 10W-40, 15W-40

**FULLY SYNTHETIC
SUPER ULTRA HIGH PERFORMANCE
DIESEL ENGINE OIL (SUHPD)**

BULWARK HERCULES PREMIUM XLA oils are premium fully synthetic, high performance, Super Ultra High-Performance Diesel engine oils (SUHPD) 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 XLA 10W-30, 10W-40 and 15W-40 are manufactured using optimized combination of synthetic base oils with premium additives to provide proven & reliable long drain interval and all year-round performance. It is a low SAP oil 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 mining & construction industry, where ACEA E9 & API CK-4 oils are specified.

PERFORMANCE LEVEL*

- API CK-4/CJ-4/CI-4Plus
- ACEA E9-16
- MB 228.31
- MTU Type 2.1; Ford WSS-M2C171-F1
- CAT ECF-3; Cummins CES 20081, 20086
- Volvo VDS 4.5, Mack EOS 4.5 &, Renault RLD-3
- Detroit DDC93K222, DDC93K218;
- MAN M3775; Mack EO-O PP
- Deutz DQC III-18 LA

KEY BENEFITS

- Lower maintenance costs from minimized piston crown deposits.
- Lower maintenance costs from minimized piston crown deposits.
- Lower multi-grade viscosities ensure 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.
- Lower oil consumption due to high shear stable VI improvers and low volatile synthetic base fluids.

TYPICAL CHARACTERISTICS**

Properties	Test Methods	10W-30	10W-40	15W-40
Density @ 29.5°C, Kg/m3	ASTM D4052	0.854	0.860	0.877
Kinematic Viscosity @ 100°C cSt	ASTM D7042	10.67	14.12	14.5
Viscosity Index	ASTM D2270	145	161	142
Cold Cranking Viscosity at -25°C, mPa-s	ASTM D5293	5700	6080	5900'@-20° C
Borderline Pumping Viscosity at -30°C, mPa-s	ASTM D4684	24,800	27,800	26,500 @-15°
Sulphated Ash, %	ASTM D874	1.03	1.03	1.03
Flash Point, COC, °C	ASTM D92	228	246	238
Foam Stability	ASTM D892	-	-	-
Seq I		-	-	-
Seq II		-	-	-
Seq III		-	-	-
Pour Point, °C	ASTM D97	-42	-39	-36
Total Base Number, mg KOH/g	ASTM D2896B	10	10	10

* 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 maybe 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.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either Bulwark International UK Ltd or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. Please consult our local representative if you require any further information.

Bulwark International UK Ltd, 34 Woodland Road, Sawston, CB22 3DU, United Kingdom. info@bulwarkauto.co.uk