

DESCRIPTION

PROTECTA UNIVERSAL 10W-40 is a full synthetic specially engineered low SAPS high performance lubricant designed to be suitable for most modern engines running on petrol, LPG or diesel even in equipment employing particulate filters. It has been formulated to offer ultimate protection and versatility. The full synthetic, low volatility base oils combined with the low ash additive package mean that the oil can be safely used in many modern diesel powered vehicles where ACEA C3 category oils, designed to protect engine and catalysts and particulate filters, are specified. It has also been designed to protect turbocharged gasoline direct (TGD) engines and includes gasoline particulate filter (GPF) protection.

SUMMARY OF BENEFITS

- Specially formulated to meet latest specifications from the world’s leading engine manufacturers
- Full Synthetic formulation with excellent oxidation resistance
- Low Ash formulation compatible with particulate filters
- Exceptional soot control and detergency offering enhanced piston cleanliness, valvetrain wear protection
- Reduces oil consumption due to the use of very low volatility full synthetic base oils
- The lower volatility protects against DPF blockage from oil consumption even in systems requiring ultra low ash level oils
- Outstanding low temperature viscometrics for reduced wear at start up
- Suitable for European, US and Asian Petrol and Diesel engines requiring specifications based upon ACEA C3 category and API SP or earlier specifications

SPECIFICATIONS

- SAE 10W-40
 - ACEA C3
 - API SP/CF
- SUITABLE FOR USE IN OUT OF WARRANTY SERVICE APPLICATIONS AND HIGH MILEAGE ENGINES WHERE THE FOLLOWING SPECIFICATIONS ARE CALLED FOR:
- ACEA A3/B4, C1 (OBSOLETE), C2 AND C4
 - BMW LL-04, LL-01
 - FORD M2C-913D, 913C, 913B
 - DX2
 - MB 229.31, 229.51, MB229.3, MB 229.5
 - RENAULT RN700/RN710
 - VW 504/507, 502 00/505 01

SUITABLE FOR



PROTECTA UNIVERSAL	TEST METHOD	UNITS	RESULTS
DENSITY @ 15°C	ASTM D1298	kg/L	0.858
KINEMATIC VISCOSITY @ 40°C	ASTM D445	cSt	102.7
@ 100°C	ASTM D445	cSt	15.25
VISCOSITY INDEX	ASTM D2270	-	156
APPARENT VISCOSITY @ -25°C	ASTM D5293	cP	5920
HIGH TEMPERATURE HIGH SHEAR VISCOSITY	ASTM D4683	cP	4.2
POUR POINT	ASTM D97	°C	-39
FLASH POINT (COC)	ASTM D92	°C	220
TOTAL BASE NUMBER	ASTM D2896	mgKOH/g	8.0
NOACK VOLATILITY	ASTM D5800	% mass	7.4
SULPHATED ASH	ASTM D874	% mass	0.76

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.

STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C. Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

AVAILABLE PACK SIZES 205LT - #300345

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