



GULF WESTERN OIL

THE TOUGH AUSTRALIAN

INDUSTRIAL/OFF HIGHWAY

TECHNICAL DATA SHEET

TOP DOG XDO

SUMMARY OF BENEFITS

- Suitable for turbo charged and naturally aspirated diesel engines
- Extended drain intervals for more up time
- Reduced oil consumption
- Greatly reduced engine wear giving extended engine life
- Formulated for engines fitted with Exhaust Gas Recirculation (EGR) systems
- Superior sludge and soot control for a cleaner engine
- Certified as Mack Trucks USA EO-N lubricant
- Registered against Cummins CES 20078
- Very good low temperature viscometrics for reduced wear at start up

SPECIFICATIONS

- SAE Viscosity 15W-40 • API CI-4 plus, CH-4/SL • ACEA E7-12 • CES 20078, 20077, 20076 • MTU Type 1, Type 2, MTU 4000
- Caterpillar ECF-2 / ECF1A • ZF TE-ML-02C/03A+/04B/04C/07C • MAN 271, 3275 • Mack EO-N Premium Plus
- Mercedes-Benz sheet 228.3, 229.1 • MTU Type 1 • Volvo VDS, VDS-2, VDS-3 • Allison C4 • Caterpillar T0-2
- MIL-L-2104E/G, MIL -L-46512E • Global DHD-1 / JASO DH-1 • Detroit Diesel 93K215

TYPICAL PROPERTIES

CHARACTERISTICS	TEST METHOD	UNITS	RESULTS
Density @ 15°C	ASTM D1298	Kg/L	0.873
Kinematic Viscosity @ 40°C @ 100°C	ASTM D445	cSt	110
	ASTM D445	cSt	15.7
Viscosity Index	ASTM D2270	-	140
Apparent Viscosity at -20°C	ASTM D5293	cP	6250
Pour Point	ASTM D97	°C	-30
Flash Point (COC)	ASTM D92	°C	246
Total Base Number	ASTM D2896	mgKOH/g	10.6
Sulphated Ash	ASTM D874	% mass	1.39

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

STORAGE

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.

AVAILABLE PACK SIZES

IBC - 30012B, 205lt - 30012, 20lt - 32012, 10lt - 31012, 6lt - 30612, 5lt - 30512, 1lt - 30112

HEALTH, SAFETY AND ENVIRONMENT

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.