



GULF WESTERN OIL

THE TOUGH AUSTRALIAN

INDUSTRIAL/OFF HIGHWAY

TECHNICAL DATA SHEET

TOP DOG GLOBAL MINERAL

SUMMARY OF BENEFITS

- Extended drain intervals for more up time. (Meets Volvo VDS-4 extended drain intervals)
- Cummins CES 20081 Registered
- Reduced oxidation and viscosity breakdown
- Suitable for Diesel Particulate Filters (DPF's) and engines fitted with Exhaust Gas Recirculation
- Superior sludge and soot control for a cleaner engine
- Reduced oil consumption
- Greatly reduced engine wear giving extended engine life
- Very good low temperature viscometrics for reduced wear at start up
- Low Saps formulation (Low sulfated ash & phosphorus)

SPECIFICATIONS

- SAE Viscosity 15W-40 • API CJ-4, CI-4, CH-4/SN • ACEA E9-2012, A3/B4-2012, E5-02 (2002), E3-96 Issue 4 (2002)
- Global DDH-1 • Cummins CES 20081,20078,20077, 20076 • Mack EO-O Premium Plus • Mercedes-Benz 228.31
- Volvo VDS-3, VDS-4 • Allison C4 • Caterpillar ECF3, ECF 2, ECF 1, and T0-2 • MTU Type 2.1 • DDC 93K218 • MAN 3575
- Renault Truck RLD/RLD-2, RLD-3 • Detroit Diesel DDC 93K218, Series • Fendt DQC 111-10 LA 60

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	120
	ASTM D445	cSt	15.5
Viscosity Index	ASTM D2270	-	141
Apparent Viscosity at -20°C	ASTM D5293	cP	6200
Pour Point	ASTM D97	°C	-30
Flash Point (COC)	ASTM D92	°C	210
Total Base Number	ASTM D2896	mgKOH/g	10.0
Sulphated Ash	ASTM D874	% mass	<1.00

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 - 30018B, 205lt - 30018, 20lt - 32018

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.