



**GULF WESTERN OIL**  
THE TOUGH AUSTRALIAN

PRODUCT DATA SHEET

# TOP DOG GLOBAL MINERAL

15W-40, MINERAL BASED LOW SAPS PREMIUM DIESEL ENGINE OIL

## DESCRIPTION

Top Dog Global™ Mineral is a premium diesel engine oil meeting the latest in lubrication technology. It is formulated with high quality group II base oil. It meets the specifications of nearly all modern engine manufacturers and OEMs.

Due to its excellent dispersant properties Top Dog Global™ Mineral is ideally suited for Series 60 Detroit Diesel and engines fitted with EGR (Exhaust Gas Recirculation) systems and those fitted with diesel particulate filters (DPF's). Its ideal application is as a true all fleet universal diesel oil. Top Dog Global™ Mineral can be used in stationary engines, earth moving and road transport applications as well as light commercial diesel applications and Allison C4 transmissions.

## 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

Top Dog Global Mineral meets the following international performance specifications:

- SAE Viscosity 15W-40
- API CJ-4/SN, CI-4 Plus, CI-4, CH-4
- ACEA E9-2016, E7, A3/B4
- JASO DH-2
- 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

**GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (AUST) PTY LTD**

**Head Office:** 92-96 Links Road, St Marys NSW 2760 - PO BOX 515 Kingswood, NSW 2747

**Phone:** 02 9673 9600 - **Fax:** 02 9623 6466 - **Email:** sales@gulfwestern.com.au - **Web:** www.gulfwestern.com.au

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### 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.

### 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.

### TYPICAL CHARACTERISTICS

TOP DOG GLOBAL MINERAL	Test Method	Units	Results
Density @ 15°C	ASTM D1298	kg/L	0.88
Kinematic Viscosity @ 40°C	ASTM D445	cSt	120
@ 100°C	ASTM D445	cSt	15.5
Viscosity Index	ASTM D2270	-	141
Apparent Viscosity @ -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	8.3
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.*

### AVAILABLE PACK SIZES

IBC - 30018B, 205lt - 30018, 20lt - 32018, 5lt - 30518

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