

# TECHNICAL DATA SHEET

## TOP DOG CK-4 RANGE

### DESCRIPTION

Top Dog CK-4 is a premium diesel engine oil using the latest in lubrication technology and is ideally suited for mixed fleets including American, European and Japanese diesel engines. It can be used in a range of applications from stationary engines, late model petrol engines and light diesels up to heavy duty earth moving and road transport applications.

### SUMMARY OF BENEFITS

- 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), Diesel Particulate Filters (DPF) and AdBlue (SCR) systems
- Superior sludge and soot control for a cleaner engine
- Very good low temperature viscometrics for reduced wear at start up
- Enhanced viscosity retention through use of highly shear stable viscosity modifiers

### SUITABLE FOR



### SPECIFICATIONS

- SAE VISCOSITY 15W-40 & 10W30
- DIESEL RATING: API CK-4, CJ-4, CI-4 PLUS
- PETROL RATING: API SN
- CATERPILLAR ECF-3
- CUMMINS 20086
- MACK EOS 4.5
- MERCEDES-BENZ SHEET 228.31
- VOLVO VDS 4.5
- MTU TYPE 2.1
- JASO DH-2

TOP DOG CK-4 RANGE	TEST METHOD	UNITS	10W-30	10W-40	15W-40
DENSITY @ 15°C	ASTM D1298	kg/L	0.867	0.851	0.870
KINEMATIC VISCOSITY					
@ 40°C	ASTM D445	cSt	82.7	105.9	114
@ 100°C	ASTM D445	cSt	12.2	15.2	15.2
VISCOSITY INDEX	ASTM D2270	-	140	151	139
APPARENT VISCOSITY AT -20°C	ASTM D5293	cP	-	6400	5500
POUR POINT	ASTM D97	°C	--48	-48	-36
FLASH POINT (COC)	ASTM D92	°C	>230	>230	>230
TOTAL BASE NUMBER	ASTM D2896	mgKOH/g	9.6	10.4	9.5
SULPHATED ASH	ASTM D874	% mass	0.98	0.98	0.98

*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

IBC - #300058B, 205LT - #300058, 20LT - #320058 (15W40)

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