



ENGINE OILSAE 20W50 API CF4 / SF

DESCRIPTION

A high quality multi-grade Engine oil containing anti-wear additives, detergents, ashless dispersants, oxidation inhibitors, defoamers and pour point depressants.

Provides excellent deposit control, oil oxidation control and wear and rust control.

In naturally aspirated and turbo-charged engines operating under high loads for extended periods. These characteristics make the product extremely suitable for mixed fleets.

APPLICATION

- Mixed fleet oil
- For all off-road, naturally aspirated and turbocharged diesel and petrol engines

PERFORMANCE

Meets or exceeds:

- API CF4/SF
- MTU
- CCMC G4 / PD2 / D4
- CUMMINS NTC
- ALLISON C3
- MB 228.1
- NISSAN LD-28 VTW
- MAN 271
- VOLVO VDS
- JAMA CD PLUS
- MACK EO-K/2
- DETROIT DIESEL 7SE-270
- CAT TO-2
- JASO SE

ADVANTAGES

- Saves on fleet maintenance cost:
- The Detergency / dispersancy level is specially balanced to provide high temperature deposit control in a wide range of turbocharged diesel engines and low temperature sludge control in light-duty petrol engines.
- Provides excellent deposit control
- Provides excellent oil oxidation control
- Provides excellent wear and rust control

TYPICAL PHYSICAL CHARACTERISTICS

Property	Unit	SAE 20W50 CF4/SF	Method
Density @ 20°C	KG/L	0.89	ASTM D4052
Viscosity 40°C	cSt	170	ASTM D455
Viscosity 100°C	cSt	17.8	ASTM D455
Viscosity Index	VI	95	ASTM D2270
Pour Point (Max)	°C	-9	ASTM D97
Flash Point (Min)	°C	232	ASTM D92
TBN mg KOH/g		10.2	ASTM D2896
Sulphated	m%	1.3	ASTM 4951
Zinc	m%	0.1	ASTM 4951
Calcium	m%	0.3	ASTM 4951
Phosphorus	m%	0.12	ASTM 4951

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