

# MOTOR OIL CF-4/SG SAE 20W

*Universal mineral oil of high quality, suitable for diesel engines (supercharged or naturally aspirated) and gasoline engines operating in cold climatic conditions.*

## APPLICATIONS

*This oil is particularly recommended for fixed diesel engines, material for public works and for mixed fleets of trucks and cars. It can also be used as hydraulic oil (eg. Caterpillar).*

## FEATURES

*Total engine protection : performance in keeping the engine clean.*

## SPECIFICATION LEVEL

<b>ACEA</b>	E2/E1	<b>MIL</b>	MIL-L-2104 E
<b>API</b>	CF-4/SG	<b>MIL</b>	MIL-L-46152 E
<b>CATERPILLAR</b>	TO-2	<b>ZF</b>	TE-ML 03A
<b>MAN</b>	270	<b>ZF</b>	TE-ML 06A
<b>MB</b>	227.0	<b>ZF</b>	TE-ML 07D
<b>MB</b>	228.0		

## TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.880
Kinematic viscosity at 40°C	ASTM D445	mm²/s	54
Kinematic viscosity at 100°C	ASTM D445	mm²/s	7.6
Viscosity index	ASTM D2270		103
B.N. (HClO4 method)	ASTM D2896	mg KOH/g	7.0
Pour point	ASTM D6892	°C	-39
Sulfated Ash	ASTM D874	Mass %	0.88
Flash Point COC	ASTM D92	°C	220

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

### CHAMPION CHEMICALS NV

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