

# CHAMPION ACTIVE DEFENCE

## 20W CF-4/SG

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

### PERFORMANCE

<b>ACEA</b>	E2/E1	<b>MB</b>	227.0
<b>API</b>	CF-4/SG	<b>MB</b>	228.0
<b>MIL</b>	L-2104 E	<b>ZF</b>	TE-ML 03A
<b>MIL</b>	L-46152 E	<b>ZF</b>	TE-ML 06A
<b>CATERPILLAR</b>	T0-2	<b>ZF</b>	TE-ML 07D
<b>MAN</b>	270		

### TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.883
Kinematic viscosity at 40°C	ASTM D445	mm²/s	55.0
Kinematic viscosity at 100°C	ASTM D445	mm²/s	8.1
Viscosity index	ASTM D2270		116
B.N. [HClO4 method]	ASTM D2896	mg KOH/g	7.0
Pour point	ASTM D6892	°C	-33
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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