

# CHAMPION ACTIVE DEFENCE

## 15W40 CF-4

Universal motor oil, suitable for 4-stroke gasoline and diesel engines between 1989 and 1994. It combines the following characteristics : very high resistance to oxidation, good detergent and dispersant properties; a great ability to neutralize acids and a high lubricity.

### APPLICATIONS

Universal all year motor oil, intended for transport and construction. This oil is especially recommended for mixed fleets (cars and trucks). It can be used in all regions in diesel engines with natural aspiration or turbocharging and all gasoline engines.

### FEATURES

Total engine protection: performance in keeping the engine clean

### PERFORMANCE

<b>API</b>	CF-4/SG	<b>CATERPILLAR</b>	TO-2
<b>MIL</b>	L-2104 E	<b>MAN</b>	271
<b>MIL</b>	L-46152 D	<b>MB</b>	227.1
<b>ALLISON</b>	C4 Level	<b>VOLVO</b>	VDS level

### TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.881
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	99.7
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	13.8
Viscosity index	ASTM D2270		140
B.N. (HCL04 method)	ASTM D2896	mg KOH/g	7.0
Pour point	ASTM D6892	°C	-36
CCS viscosity at -20°C	ASTM D5293	mPa.s	6500
Sulfated Ash	ASTM D874	Mass %	0.99
Flash Point COC	ASTM D92	°C	230

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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