

# CHAMPION ACTIVE DEFENCE

## 10W40 B4

This is a semi synthetic lubricant based on carefully selected highly refined base oils. This oil is an advanced engine oil, especially developed to meet ACEA A3/B4 requirements and to fulfill Euro 4 norms. It is designed for the lubrication of four-stroke gasoline and diesel cars, including diesel engines with direct injection such as Common Rail, HDI, CDI, etc. Key features include a low ash formulation and a high resistance to ageing.

### APPLICATIONS

Ideal for most gasoline and diesel engines - normally aspirated and supercharged. Particularly recommended for Direct Injection diesel engines - Common Rail, HDI, CDI, etc. Can be used all year round - thanks to its optimum viscosity index.

### FEATURES

Total engine protection: performance in keeping the engine clean  
Cold start: very good fluidity at low temperature

### PERFORMANCE

<b>ACEA</b>	A3/B3-16	<b>MB</b>	229.1
<b>ACEA</b>	A3/B4	<b>RENAULT</b>	RN 0700
<b>API</b>	SN/CF	<b>RENAULT</b>	RN 0710
<b>FIAT</b>	9.55535-D2	<b>VW</b>	501 01
<b>FIAT</b>	9.55535-G2	<b>VW</b>	505 00

### TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.865
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	91
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	13.8
Viscosity index	ASTM D2270		155
B.N. (HClO4 method)	ASTM D2896	mg KOH/g	10.1
Pour point	ASTM D6892	°C	-39
CCS viscosity at -25°C	ASTM D5293	mPa.s	6700
Sulfated Ash	ASTM D874	Mass %	1.0
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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