

# CHAMPION OEM SPECIFIC 0W20 MS-V

This is a full synthetic lubricant based on carefully selected very high quality base oils, specially developed for the gasoline and diesel direct injection Volvo Engine Architecture (VEA) engines. This VOLVO VCC RBSO-2AE specification demands high oxidation stability to ensure long oil drain intervals of up to 30000 km. There is a fuel economy benefit over a reference oil of 3,4 %.

## APPLICATIONS

This product was primarily developed for mandatory use in the gasoline and diesel direct injection Volvo Engine Architecture (VEA) engines. This product is also usable for other OEM's passenger cars requiring this viscosity grade and ACEA A1/B1 performance, thus providing a multi vehicle oil application. It provides an extremely quick and stable lubricant film at the cold start at low temperatures and offers high thermal stability under heavy duty operating conditions.

## FEATURES

Total engine protection: performance in keeping the engine clean

Fuel economy: superior fuel economy and CO2 reduction

Cold start: excellent fluidity at low temperature

## SPECIFICATIONS

<b>ACEA</b>	A1/B1-12	<b>API</b>	SN
<b>ACEA</b>	C5-16	<b>FIAT</b>	9.55535-DSX
<b>VOLVO</b>	approval VCC RBSO-2AE	<b>FIAT</b>	9.55535-DM1

## TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.845
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	47.9
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	9.0
Viscosity index	ASTM D2270		172
B.N. (HCL04 method)	ASTM D2896	mg KOH/g	7.8
Pour point	ASTM D6892	°C	-48
Sulfated Ash	ASTM D874	Mass %	0.8
Flash Point COC	ASTM D92	°C	224

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

G. Gilliatstraat 52 – 2620 Hemiksem – Belgium

Tel. +32 3 870 00 00

[www.championlubes.com](http://www.championlubes.com)

