

# CHAMPION OEM SPECIFIC 5W20 MS-FE

This is a full synthetic lubricant based on carefully selected very high quality base oils. This oil is extremely fuel-efficient and meets the requirements of the new Ford EcoBoost petrol engines. It ensures a reduction of fuel consumption on partial and full load operation as well as reduction of exhaust emission. It has excellent cold starting behavior giving a very good operating reliability.

## APPLICATIONS

Meets the requirements of the Ford WSS-M2C948-B specification and is mandatory for Ford EcoBoost 1.0 3-cylinder engines and is required for further EcoBoost petrol engines. This oil can also be used where the vehicle manufacturer specifies a motor oil ACEA A1/B1 or API SN.

## FEATURES

Total engine protection: performance in keeping the engine clean

Fuel economy: superior fuel economy and CO<sub>2</sub> reduction

Cold start: excellent fluidity at low temperature

## SPECIFICATIONS

<b>ACEA</b>	A1/B1-12	<b>FORD</b>	approval WSS-M2C948-B
<b>ACEA</b>	C5	<b>FORD</b>	WSS-M2C948-A
<b>ILSAC</b>	GF-5	<b>JAGUAR-LAND ROVER</b>	approval STJLR.03.5004
<b>CHRYSLER</b>	MS 6395		

## TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.851
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	42.3
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	7.9
Viscosity index	ASTM D2270		162
B.N. [HCL04 method]	ASTM D2896	mg KOH/g	7.6
Pour point	ASTM D6892	°C	-39
CCS viscosity at -30°C	ASTM D5293	mPa.s	5500
Sulfated Ash	ASTM D874	Mass %	0.8
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

G. Gilliatstraat 52 - 2620 Hemiksem - Belgium

Tel. +32 3 870 00 00

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

