



## UNIOIL Engine Oil SAE 20W50 API SM/CF

High Performance Engine Oil

April 2012

### Properties

UNIOIL Engine Oil SAE 20W50 API SM/CF, is multi grade oil for gasoline engines. Formulated from high quality virgin base oil and number of additive carefully selected for engine protection & performance.

### Features and Benefits

- Detergent /dispersant properties to keep engine part clean and particular prevent black SM/CF Fudge formation and the build up particles.
- Thermal and oxidation stability
- offers high-temperature safety reduces fuel and oil consumption, thus lower environmental loads
- has a very good dirt carrying capacity
- prevents SM/C Fudge development
- extends the engine's service life
- allows longer oil drain intervals
- Maximum power out put
- Reduce Maintained cost

### Application

- Recommend for petrol engines
- Suitable for high temperature

### Performance / Specifications

SAE Grade 20W50  
API SM/CF

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### Approvals / Recommendations

ACEA 2002: A2/B2  
Volkswagen

Typical Data	Unit	Test Method	Results
SAE Grade			20W-50
Density at 15!C	g/cm <sup>3</sup>	ASTM D4052	0.885
Viscosity at -25!C	mPa s	ASTM D5293!	7200
Viscosity at 40!C	mm <sup>2</sup> /s	ASTM D445!	178.8
Viscosity at 100!C	mm <sup>2</sup> /s	ASTM D445!	19.5
Viscosity Index	-	ASTM D2270!	125
Flash Point	°C	ASTM D92!	230
Pour Point	°C	ASTM D97!	- 24
Total Base Number	Mg KOH/g	ASTM D2896!	8

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Report

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Date: 16/05/2014 No: 5227/100/257078/2014

CLIENT

Name: MESSRS SLIMCO TRADING CO KFARCHIMA- LEBANON

Reference: Your fax dated 06/05/2014

SAMPLE

Received as:

"Mineral Oil" (in a plastic bottle)

Received on: 08/05/2014

Results

Testing duration: From 08/05/2014 to 16/05/2014 Unless otherwise specified, the sampling was done by the client.

CHEMICAL ANALYSIS & PHYSICAL TESTING

IRI Code No:

Reference Method

Table with 3 columns: IRI Code No., Test Name, Value, Reference Method. Rows include Kinematic viscosity at 40 °C, Kinematic viscosity at 100 °C, Viscosity Index, and Flash point, COC.

\*Sample your reference:

Bottle received well sealed Unioil Super Heavy Duty SM/CF 20W50

Results relate only to the sample tested

MZ/MC/rm 1/1

Dr. Joseph Matta Division Head Laboratories



Nadia Khoury Applied Research & Testing Director

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