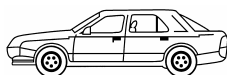


QUARTZ 9000 5W-40



Synthetic technology multigrade oil for Gasoline and Diesel engines

USES

- TOTAL QUARTZ 9000 5W-40 has been developed to cover the most stringent requirements of **both recent gasoline and diesel engines** (since MY 2000).
- TOTAL QUARTZ 9000 5W-40 is particularly suited to **turbocharged, multi-valve and direct injection engines**.
- TOTAL QUARTZ 9000 5W-40 can be used in the **most difficult operating conditions** (motorways, dense city traffic...), **whatever the season**.
- TOTAL QUARTZ 9000 5W-40 is perfectly **adapted to all vehicles equipped with catalysts** and using unleaded fuel or liquefied petroleum gas.

PERFORMANCES

Specifications	ACEA API	A3/B4-07 SM/CF
OEMs	PEUGEOT CITROEN VOLKSWAGEN BMW MB PORSCHE	Gasoline and Diesel – PSA E05/D05 Niv 3 Level 502.00/505.00 Longlife oil 01 229.3

CUSTOMER BENEFITS

Extended drain interval	<ul style="list-style-type: none">• Exceptional oxidation resistance.
All operating conditions	<ul style="list-style-type: none">• Easy cold starts and fuel economies due to its extreme fluidity; at low temperature; and a very resistant oil film even at high temperature
Mechanical parts protection	<ul style="list-style-type: none">• Protects mechanical parts and fully preserves the engine power, thus contributing to its youth and strength
Mechanical parts cleaning	<ul style="list-style-type: none">• Keeps the engine's most sensitive parts clean thanks to its advanced detergent and dispersive additives

CHARACTERISTICS

TOTAL QUARTZ 9000 5W-40	Units	SAE Grade 5W-40
Volumetric mass at 15°C	kg/m ³	854.3
Viscosity at 40°C	mm ² /s	82.19
Viscosity at 100°C	mm ² /s	13.60
Viscosity index	-	169
Flash point Cleveland	°C	228
Pour point	°C	-39

The typical characteristics mentioned represent mean values.

TOTAL LUBRIFIANTS
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QUARTZ 9000 5W-40
October 2007
MPC 10/07



This lubricant, when used in accordance with our recommendations and for the application for which it is intended, does not constitute a special hazard
A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant