

# 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

<b>Spécifications</b>	ACEA API	A3/B3/B4 SL/CF
<b>OEMs</b>	PEUGEOT CITROEN VOLKSWAGEN BMW MB	Gasoline and Diesel 502.00/505.00 (1/97) Longlife oil 98 229.3

## CUSTOMER BENEFITS

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

## CHARACTERISTICS

TOTAL QUARTZ 9000 5W-40	Units	SAE Grade <b>5W-40</b>
Volumetric mass at 15°C	kg/m <sup>3</sup>	849
Viscosity at 40°C	mm <sup>2</sup> /s	85
Viscosity at 100°C	mm <sup>2</sup> /s	14
Viscosity index	-	170
Flash point Cleveland	°C	226
Pour point	°C	-42

*The typical characteristics mentioned represent mean values.*

**TOTAL LUBRIFIANTS**  
16, rue de la République  
92800 PUTEAUX  
1/1  
juillet 2004

**QUARTZ 9000**  
**5W-40**



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