



Engine oil user guide



TOTAL
COMMITTED TO BETTER ENERGY

ENGINE OILS:

summary of standards for light vehicles

API

American Petroleum Institute

The API standards for light vehicles are used by American and Asian manufacturers and are mainly for petrol engines.

TOTAL recommends:

	TOTAL QUARTZ 9000 5W-40 Synthetic technology	API SN, SM, SL, SJ/CF + Car manufacturers' approvals + ACEA A3/B4
	TOTAL QUARTZ INEO MC3 5W-30 Synthetic technology and antipollution	API SN, SM, SL, SJ/CF + Car manufacturers' approvals + ACEA C3
	TOTAL QUARTZ 7000 SN 10W-40 Synthetic based	API SN, SM, SL, SJ/CF

TOTAL QUARTZ oils exceed the requirements of the new API SN standard:

- Improved protection for engine pistons against deposits formed at high temperatures.
- Enhanced compatibility with all engine parts.
- High resistance against sludge formation.
- For new, recent or old vehicles!
These oils are fully backward compatible for API SM (2010), SL (2004), and SJ (2001).

ILSAC

International Lubricant Standardization and Approval Committee

Closely related to the API and American and Asian car manufacturers.

TOTAL recommends:

	TOTAL QUARTZ 9000 FUTURE GF5 5W-30 Synthetic technology	API SN, SM, SL, SJ/CF ILSAC GF-5, GF-4, GF-3 Fuel Economy engine oil	
	TOTAL QUARTZ 7000 FUTURE GF5 5W-30 Synthetic based	API SN, SM, SL, SJ/CF ILSAC GF-5, GF-4, GF-3 Fuel Economy engine oil	
	TOTAL QUARTZ 5000 FUTURE GF5 10W-30 Mineral	API SN, SM, SL, SJ/CF ILSAC GF-5, GF-4, GF-3 Fuel Economy engine oil	

TOTAL QUARTZ oils exceed the requirements of the new ILSAC GF-5 standard:

- Reduced fuel consumption* throughout the interval between oil changes.
- Improved oil resistance.
- For new, recent or old vehicles!
Backward compatible for ILSAC GF-4 and GF-3.
- Protection for petrol engine pollution-control systems.

ACEA

Association des Constructeurs Européens

ACEA standards are popular with European manufacturers.

TOTAL recommends:

	TOTAL QUARTZ INEO MC3 5W-30 Synthetic technology and antipollution	ACEA C3 + manufacturer approvals + API SN, SM, SL/CF	
	TOTAL QUARTZ INEO ECS 5W-30 Synthetic technology and antipollution	ACEA C2 + manufacturer approvals Fuel Economy engine oil	
	TOTAL QUARTZ 9000 FUTURE NFC 5W-30 Synthetic technology	ACEA A5/B5 + manufacturer approvals Fuel Economy engine oil + API SL/CF	
	TOTAL QUARTZ 9000 5W-40 Synthetic technology	ACEA A3/B4 + manufacturer approvals + API SN, SM, SL/CF	
	TOTAL QUARTZ 7000 10W-40 Synthetic based	ACEA A3/B4 + manufacturer approvals + API SL/CF	

TOTAL QUARTZ oils exceed the requirements of the ACEA:

	Conventional Petrol or Diesel Engines		Catalytic Petrol or Diesel Engines	
	Non-Fuel Eco	Fuel Eco	Non-Fuel Eco	Fuel Eco
Improved engine protection	A3 / B4	A5 / B5	C3 ; C4	C1 ; C2
Standard engine protection	A3 / B3	A1 / B1		

* TOTAL QUARTZ Fuel Economy oils help reduce fuel consumption. Fuel savings are measured in official engine tests and the reference oils meet the requirements of international standards.



Keep your engine younger for longer

