

## Description

Mineral lubricating oil recommended for use in DEUTZ and DETROIT DIESEL vehicles or stationary engines that operate with compressed natural gas (CNG) or with propane and butane (LPG), and which require a limited ash content.

## Properties

- Limited ash content to prevent the formation of residues on spark plugs that can cause noise and preignition.
- Wear testing on the valve trains for CUMMINS engines show excellent performance. The wear is below the manufacturer's limit and far below that of competing oils.
- The stability of its detergent additives allow for longer change periods, minimising the acidic compounds typical of these types of engines.
- High resistance to corrosion, far above the requirements of the CUMMINS CES 20074 standard.
- The tests conducted in CNG vehicle fleets have shown higher pressure stability at any temperature and in all working conditions.

## Quality levels, approvals and recommendations

- CUMMINS CES 20074\*
  - API CF
  - DETROIT DIESEL DDC 93K216
- \*Formal approval

## Technical specifications

	UNIT	METHOD	VALUE	
SAE Grade			15W-40	
Density at 15 °C	g/mL	ASTM D 4052	0,884	
Viscosity at 100 °C	cSt	ASTM D 445	14.3	
Viscosity at 40 °C	cSt	ASTM D 445	109	
Viscosity at -20 °C	cP	ASTM D 5293	<7000	
Viscosity index	-	ASTM D 2270	135	
Flash point, open cup	°C	ASTM D 92	236	
Pour point	°C	ASTM D 97	-27	
T. B. N.	mg KOH/g	ASTM D 2896	5	
Sulphated ashes	% weight	ASTM D 874	<0.6	
Bosch Injector Shearing: after shear	Viscosity at 100 °C	cSt	CEC L-14-93	12.5
Noack volatility 1hr at 250 °C	% weight	CEC L-40-93	9.5	

The above mentioned characteristics are typical values and should not be considered product specifications.