

## ECOGEAR SYNTH

### Fully synthetic gear oils (ISO VG 150/220/320/460)

#### Description

ECOGEAR SYNTH is fully synthetic high performance gear oil developed to meet the demanding requirements through enhanced wear protection, system efficiency and long oil life.

#### Areas of Application

ECOGEAR SYNT gear oils are used whenever mineral gear oils have reached their performance limit and can no longer meet the application requirements; for example, at very low or high temperatures, extremely high loads, extraordinary ambient conditions, or if they fail to meet special requirements such as flammability. ECOGEAR SYNTH can offer you following application advantages:

- improved efficiency due to reduced tooth-related friction losses
- lower gearing losses due to reduced friction, requiring less energy
- oil change intervals 4 to 5 times longer than mineral oils operating at the same temperature
- reduced operating temperatures under full load, increasing component life
- cooling systems may not be required

#### Characteristic features:

- Great thermal and oxidation stability;
- Excellent lubricity properties;
- Perfectly protected against rust and corrosion;
- Great friction and wear test results;
- Improved low temperatures properties;
- Lower tendency to form residues;

#### TYPICAL CHARACTERISTICS

PARAMETER	UNIT	TEST METHOD	ISO VG 150	ISO VG 220	ISO VG 320	ISO VG 460
Density at 15 °C	kg/m <sup>3</sup>	ISO 12185	925	932	940	947
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	150	220	320	460
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	16	28	37	50
Pour point	°C	ASTM D97	-30	-30	-30	-30
Flash point, COC	°C	ASTM D92	>270	>270	>270	>270
Biodegradability (within 21 days)	%	CEC-L-33-A-93	>80	>80	>80	>80

Issue Date: 7/3/2013

