



PANOLIN
Bläsimühle 2 – 6
CH-8322 Madetswil
Switzerland
www.panolin.com



Part of the PANOLIN concept
GREENMACHINE®

PANOLIN EP GEAR SYNTH

Industrial gear oil – readily biodegradable, saturated synthetic esters

Environmentally Considerate Lubricant (ECL)/Environmentally Acceptable Lubricant (EAL)

Features and benefits

- Fully synthetic, high-performance and readily biodegradable lubricant, based on saturated synthetic esters for industrial gear drives
- Minimally toxic
- CO₂ reduction due to extended oil-change and service intervals
- Reduces micro-wear of surface roughness on friction surfaces in aggregates
- Outstanding extreme-pressure characteristics
- Excellent oxidation resistance at high temperatures
- Prevents gumming even under high thermal load
- Better adhesion to metal surfaces than mineral-oil based gear oils
- Outstanding anti-wear and anti-corrosion properties
- Extremely shear-resistant multigrade gear oil with a wider thermal operating range than mineral oil

Application (follow manufacturer's instructions)

- Industrial gear drives

Environmental compatibility

It is decomposed by micro-organisms in water and/or soil almost without any residues.

- Biodegradability acc. to OECD 301 B: > 60% (27325, 27330, 27335)
- Biodegradability acc. to OECD 301 B: > 60% (27320 – conclusion by analogy)
- Water hazard classifications acc. to AwSV: WGK 1



Specifications

DIN 51 502/CLP E, 51 517/CLP E
FE8 D – 7.5/80 – 80
FZG A/8.3/90: > 12
FZG A10/16.6/140: > 12

Approvals (valid manufacturer approval for the specific lubricant)

Brevini Power Transmission (27330, 27335)
Stiebel Getriebe (27335)
ZF TE-ML 04M (27325, 27330), ZF TE-ML 04Q (27330)

Technical data (mean values, subject to normal tolerances)

PANOLIN EP GEAR SYNTH	Product No.	Density g/cm ³ 15°C	Viscosity in mm ² /s		Flashpoint COC in °C	Pour point in °C	Viscosity index	
			40°C	100°C				
	68	27320	0.919	69.0	10.8	290	- 54	146
	100	27325	0.920	100.0	14.1	300	- 45	144
	150	27330	0.921	150.0	18.8	300	- 43	142
	220	27335	0.923	220.0	24.0	300	- 41	136

Instructions

Please refer to the drum label, or for detailed information, to the safety data sheet – available from PANOLIN.
Before changing over to PANOLIN EALs/ECLs, please ask for our instructions.