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Part of the PANOLIN concepts



PANOLIN BIOGREASE W EP 1

EP universal grease – readily biodegradable, synthetic esters

Features and benefits

- Fully synthetic, readily biodegradable EP universal grease for exposed applications
- Minimally toxic
- Good mechanical stability
- Excellent oxidation resistance at high temperatures
- Outstanding anti-wear and anti-corrosion properties
- Very good water resistance
- Wide temperature range
- Excellent load-bearing capacity due to special additive technology

Applications (follow manufacturer's instructions)

- For exposed applications

Environmental compatibility

- EU Ecolabel – SE/027/012
- Swedish Standard SS 15 54 70 (pending)
- US EPA VIDA (Vessel Incidental Discharge Act), VGP 2013 (Vessel General Permit)



Technical data (mean values, subject to normal tolerances)

Product No.	72545
NI/GI	1
Soap/thickener type	Anhydrous Calcium
Dropping point (IP 396)	> 140 °C
VKA calotte (ASTM D2266)	0.45 mm
Timken OK Load (ASTM D2509)	50 lbs
VKA OK load (DIN 51350)	3400 N
VKA weld load (DIN 51350)	3600 N
Behavior vs. Water (DIN 51807-1)	0
Corrosion protection (EMCOR – DIN 51802; dest. water)	0 – 0
Copper corrosion (DIN 51811)	1
Water wash out (ISO 11009, 79 °C)	< 5%
Operation temperature range (permanent)	–40 °C to 100 °C
Designation (DIN 51502)	KPE 1 G–40
Base	Synthetic esters
Base oil viscosity at 40 °C	480
Oxidation stability (ASTM D942; 100 h)	< 68.5 kPa
Colour	Yellow
Environmental compatibility	Biodegradability acc. to OECD 301 B: > 60%

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.