FRAGOL GEAR WCE 320 FG

FRAGOL GEAR WCE 320 FG is an ISO VG 320 gear lubricant based on a mixture of white oils which utilises latest available additive technology providing outstanding extreme pressure characteristics and loadcarrying properties required in gear Systems forthe food-, feed- and pharmaceutical industries.

FRAGOL GEAR WCE 320 FG meets the requirements of FDA 21 CFR 178.3570 and is H1-registered for processes where incidental food contact can occur. All FRAGOL H1-registered products are manufactured according to ISO 21469:2006 which supports producers' HACCP and GMP programs. FRAGOL H1-lubricants do not contain ingrédients of animal origin or genetically modified products and are KOSHER and HALAL certified.

APPLICATIONS

- Gear sets (excluding heavily loaded worm gears)
- Chains running at moderate temperatures
- Agitators and Mixers
- Extruders
- Pulpers
- Presses
- Non-gear applications, e.g. high loaded bearings, shaft couplings, etc.

BENEFITS

- Excellent wear protection
- Good corrosion inhibition
- Good water separation
- Good shear stability
- Good air release properties
- No deposit/lacquer formation

TYPICAL CHARACTERISTICS

FRAGOL GEAR WCE 320 FG	Value	Unit	Method
Appearance	clear, yellow liquid	-	visual
Viscosity @ 40 °C	303.0	mm^2/s	ASTM D-445
Viscosity @ 100 °C	26.25	mm^2/s	ASTM D-445
VI	113	-	ASTM D-2270
Density @ 15.6 °C	0.874	kg/l	ASTM D-1298
Total acid number	0.77	mg KOH/g	ASTM D-664
Flash point (COC)	236	°C	ASTM D-92
Pour point	-21	°C	ASTM D-5950
Copper corrosion	1a	-	ASTM D-130
Steel corrosion	pass	-	ASTM D-665 B
Demulsibility @ 82 °C	12	min.	ASTM D-1401
FBW @ 40kg/1Hr/75 °C/1200rpm	0.41	mm	ASTM D-4172
Welding load	160	kg	ASTM D-2783
Mechnical test FE8: D7.5/80-80 Wear of Rolling elements Wear of Cage	 11 205	 mg mg	 DIN 51819-3 DIN 51819-3

SPECIFICATIONS

FRAGOL GEAR WCE 320 FG meets or exceeds the requirements of the following specifications:

DIN 51517-3: 2014-02 CLP
ISO 12925-1 CKB
ISO-L-CKB (according to ISO 6743-6)

COMPATIBILITY

FRAGOL GEAR WCE 320 FG is compatible with commonly used seals, gaskets, hoses and paints. There are no special requirements when replacing PAO or other mineral-based lubricants. Flushing is recommended to remove remaining residues.