FRAGOL GEAR WCE 460 FG

FRAGOL GEAR WCE 460 FG is an ISO VG 460 gear lubricant based on a mixture of white oils which utilises latest available additive technology providing outstanding extreme pressure characteristics and load-carrying properties required in gear systems for the food-, feed- and pharmaceutical industries.

FRAGOL GEAR WCE 460 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 ingredients 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 460 FG	Value	Unit	Method
Appearance	clear, yellow liquid	-	visual
Viscosity @ 40 °C	436.0	mm^2/s	ASTM D-445
Viscosity @ 100 °C	33.78	mm^2/s	ASTM D-445
VI	114	-	ASTM D-2270
Density @ 15.6 °C	0.876	kg/l	ASTM D-1298
Total acid number	0.76	mg KOH/g	ASTM D-664
Flash point (COC)	238	°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	16	min.	ASTM D-1401
FBW @ 40kg/1Hr/75 °C/1200rpm	0.38	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 460 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/DIS 6743-6)

COMPATIBILITY

FRAGOL GEAR WCE 460 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.

2022-02. All the above information is represented to the best of our knowledge. However, we do not take any legal responsibility for the correctness of this information or viability for use in certain applications. Technical data represent approximate values and are subject to the usual production fluctuations.