

FRAGOL HYDRAULIC P 46 FG

Synthetic H1 Food Grade Hydraulic Oil

FRAGOL HYDRAULIC P 46 FG is a synthetic ISO VG 46 high performance hydraulic fluid based on a mixture of poly-alpha-olefins (PAO) and utilizes latest available additive technology providing high anti-wear and extreme pressure performance required in hydraulic systems for the food-, feed- and pharmaceutical industries.

FRAGOL HYDRAULIC P 46 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 21.469:2006 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.

APPLICATION

FRAGOL HYDRAULIC P 46 FG is designed for:

- Hydraulic and Circulating Systems
- Low to medium loaded Bearings, e.g. Ventilators
- Valve Lubrication
- Multipurpose Lubrication
- Processing Machinery e.g. in the Canning and Bottling Industries

For further information on other applications please contact our technical team.

TEMPERATURE RANGE

-35 °C to 160°C

SPECIFICATION

FRAGOL HYDRAULIC P 46 FG meets or exceeds the requirements of the following specifications:

ISO 6743/4 HM/HV
DIN 51 524/2 HLP
DIN 51 524/3 HVLP

BENEFITS

FRAGOL HYDRAULIC P 46 FG has advantages over mineral oils and other synthetic lubricants and is characterised by:

- Excellent wear protection
- High corrosion inhibition
- Good water separation and air release properties
- Extended drain intervals
- Compatibility with hoses, pipes and system components
- No deposit/lacquer formation

COMPATIBILITY

FRAGOL HYDRAULIC P 46 FG is based on synthetic hydrocarbons and has characteristics very similar to mineral oils with regard to its compatibility with seals, gaskets, hoses and paints. There are no special requirements when replacing mineral oil or other PAO-based lubricants. Flushing is recommended to remove remaining residues.

TYPICAL CHARACTERISTICS

FRAGOL HYDRAULIC P 46 FG	Value	Unit	Method
Appearance	Clear, yellow liquid	-	Visual
Viscosity @ 40 °C	47.9	mm ² /s	ASTM D-445
Viscosity @ 100 °C	8.7	mm ² /s	ASTM D-445
VI	160	-	ASTM D-2270
Density @ 15.6 °C	0.839	kg/l	ASTM D-1298
Total acid number	0.8	mg KOH/g	ASTM D-664
Flash point (COC)	258	°C	ASTM D-92
Pour point	-48	°C	ASTM D-97
Copper corrosion	1a	-	ASTM D-130
Steel corrosion	pass	-	ASTM D-665 B
Demulsibility @ 54 °C	< 10	min.	ASTM D-1401
FBW @ 40kg/1Hr/75°C/1200rpm	0.4	mm	ASTM D-4172
Welding load	160	kg	ASTM D-2783

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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.