

FRAGOL HYDRAULIC W 46 FG

Food Grade Hydraulic Oil

FRAGOL HYDRAULIC W 46 FG is an ISO VG 46 high performance hydraulic fluid based on a mixture of white oils 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 W 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 W 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

-5 °C to 140°C

SPECIFICATION

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

ISO 6743/4 HM/HV

DIN 51 524/2 HLP

BENEFITS

FRAGOL HYDRAULIC W 46 FG has advantages over other mineral oils and is characterized by:

- Excellent wear protection
- High corrosion inhibition
- Good water separation
- Good air release properties
- Compatibility with hoses, pipes and system components

COMPATIBILITY

FRAGOL HYDRAULIC W 46 FG is compatible with commonly used seals, gaskets, hoses and paints. No special requirements are necessary when replacing PAO or other mineral-based lubricants. Flushing is recommended to remove remaining residues.

TYPICAL CHARACTERISTICS

FRAGOL HYDRAULIC W 46 FG	Value	Unit	Method
Appearance	Clear, yellow liquid	-	Visual
Viscosity @ 40 °C	46.0	mm ² /s	ASTM D-445
Viscosity @ 100 °C	6.9	mm ² /s	ASTM D-445
VI	104	-	ASTM D-2270
Density @ 15.6 °C	0.87	kg/l	ASTM D-1298
Total acid number	0.7	mg KOH/g	ASTM D-664
Flash point (COC)	232	°C	ASTM D-92
Pour point	-20	°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	0.34	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.