



FRAGOL HYDRAULIC W 46 FG

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

- 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

BENEFITS

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

TYPICAL CHARACTERISTICS

FRAGOL HYDRAULIC W 46 FG	Value	Unit	Method
Temperature range	-5 to 140	°C	-
Appearance	clear, yellow liquid	-	visual
Viscosity @ 40 °C	46.51	mm ² /s	ASTM D-445
Viscosity @ 100 °C	7.17	mm ² /s	ASTM D-445
VI	114	-	ASTM D-2270
Density @ 15.6 °C	0.862	kg/l	ASTM D-1298
Total acid number	0.82	mg KOH/g	ASTM D-664
Flash point (COC)	233	°C	ASTM D-92
Pour point	-18	°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

SPECIFICATIONS

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

ISO-L-HM (according to ISO 6743-4:2015)
HLP (according to DIN 51524-2)

COMPATIBILITY

FRAGOL HYDRAULIC W 46 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.