



PRODUCT DATA SHEET

ANDEROL BIO GUARD FRHF 46



High Performance Biodegradable Fire Resistant Hydraulic Fluid

ADVANTAGES/BENEFITS

- Biodegradable
- Fire Resistant with high fire point
- Ash-less and Silicon free
- Broad operating temperature range
- Environmentally friendly
- Extended lubrication cycles at all temperatures

COMPATIBILITY

The following seals, paints and plastics are recommended for use in contact with **ANDEROL**® synthetic lubricants. Materials not recommended are also shown. For more information on other materials see our 'Compatibility Guide'.

RECOMMENDED:

Viton, High Nitrile Buna N, Teflon, Epoxy Paint, Oil-Resistant Alkyd, Nylon, Delrin, Celcon, PBT

NOT RECOMMENDED:

Neoprene, SBR Rubber, Low Nitrile Buna N, Acrylic Paint, Lacquer, Polystyrene, PVC, ABS

APPLICATION

ANDEROL BIO GUARD FRHF 46 Lubricant is highly recommended for hydraulic systems in high temperature environments that require a greater degree of fire resistance. This fluid is also suitable for applications where environmentally sensitive products are preferred (such as off-road construction vehicles, tunnel construction and machinery).

ANDEROL BIO GUARD FRHF 46 is a high performance biodegradable fire resistant hydraulic fluid. This synthetic based fluid has been specifically designed to meet the most stringent industry requirements, including spray flammability. The formulation utilizes ash-less and silicon free additive technology.

ANDEROL BIO GUARD FRHF 46 is fully compatible with mineral oils and polyol ester fluids.

ANDEROL FRHF range is available in the grades ISO VG 46 and 68.

PROPERTIES	TEST METHOD	ANDEROL BIO GUARD FRHF 46
ISO VG	ASTM D-2422	46
Appearance @ 20°C	visual	Clear colorless to light yellow liquid
Viscosity @ 40°C, cSt	ASTM D-445	44.7
Viscosity Index	ASTM D-2270	193
Density @ 15°C, kg/l	ASTM D-1298	0.920
Total Acid Number, mg KOH/g	ASTM D-664	1.5
Flash Point, COC, °C	ASTM D-92	302
Pour Point, °C	ASTM D-97	-30
Demulsibility @ 54°C, min	ASTM D-1401	20
Auto-ignition temperature, °C	ASTM E-659	>420
Biodegradability	OECD 301 B	Ready biodegradability 79.9% (28d)

FOR MORE INFORMATION PLEASE REFER TO THE RELEVANT MATERIAL SAFETY DATA SHEET

REGISTRATIONS



This information is furnished without warranty, representation, inducement, or license of any kind except that it is accurate to the best of OUR knowledge or obtained from sources believed by ANDEROL® to be accurate. ANDEROL® does not assume any legal responsibility for use of reliance upon it. Only Chemists or chemically qualified lab technicians should carry out tests. Before using any chemicals, read its label and Material Safety Data Sheet.

ANDEROL®
Specialty Lubricants

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