IBROMA
HIGH-PERFORMANCE GREASE & OILS

TECHNICAL DATA SHEET

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PERFORMANCE LEVEL

GOST 20734-75

PACK SIZES

18 L (14.5 / 15.0 kg net)
55-Gallon drum · IBC

PRODUCT FAMILY

IBROMA Aviation Lubricants
High-Performance Grease & Oils

MANUFACTURED BY

IBROMA LUBRICATION LTD

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AVIATION HYDRAULIC FLUID

HYDRAULIC FLUID 7-50S-3

Polysiloxane-ester aviation hydraulic fluid · -60 °C to +175 °C

DESCRIPTION

A high-performance aviation hydraulic fluid formulated from a blend of polysiloxane fluid and organic ester with an anti-wear additive and oxidation inhibitors. It exhibits much-improved anti-wear performance, low evaporation rate, high lubricating properties, high thermo-oxidative stability and excellent resistance to foaming.

APPLICATION

Best used in aircraft hydraulic systems, including those of the MiG-25 and MiG-29. Used across a wide temperature range from -60 °C to +175 °C, with the possibility of short-term overheating up to 200 °C. Permissible working pressure in the hydraulic system up to 21 MPa.

COST-SAVING BENEFITS

- Low pour point — does not freeze down to -70 °C
- Excellent thermal and oxidation stability
- Excellent wear and corrosion protection
- Effective lubrication at high and low operating temperatures

TYPICAL PROPERTIES

PROPERTY	TYPICAL
Appearance	**Yellow clear oil**
Viscosity at 200 °C, cSt	**1.35**
Viscosity at 20 °C, cSt	**24.0**
Viscosity at -60 °C, cSt	**2420**
Flash point, COC, °C	**204**
Pour point, °C	**-72**
Acid number, mg KOH/g	**0.025**
Thermo-oxidative stability, 200 °C / 30 h:	
Viscosity after oxidation at 200 °C, cSt	**1.5**
Viscosity after oxidation at 20 °C, cSt	**26.0**
Viscosity after oxidation at -60 °C, cSt	**4200**
Corrosion (steel 30HGSA, duralumin D16A TV, bronze BrAZh 9-4)	**None**

Typical values shown do not constitute a specification. The information is based on current knowledge and is intended to describe the product for possible applications; it does not release the user from performing preliminary tests.