IBROMA
HIGH-PERFORMANCE GREASE & OILS

TECHNICAL DATA SHEET

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PERFORMANCE LEVEL

TU 38.1011299-2006

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

info@ibroma.com
www.ibroma.com

SYNTHETIC AVIATION TURBINE OIL

IPM-10

High-performance gas-turbine lubricant · -50 °C to +200 °C

DESCRIPTION

A high-performance aircraft-type gas-turbine lubricant formulated from a polyalphaolefin combined with a high-thermal-stability synthetic ester base oil and a unique additive package. 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 heat-stressed gas-turbine military and civil aircraft engines with outlet oil temperatures up to 200 °C. Also suitable for aircraft cooling turbines as a main oil brand and other assemblies, particularly aircraft-engine-powered gas-compressing plants. Effective operating range -50 °C to +200 °C.

COST-SAVING BENEFITS

- Low pour point — does not freeze down to -50 °C
- Excellent thermal and oxidation stability
- Excellent wear and corrosion protection
- Effective lubrication at high operating temperatures
- Reduced evaporation losses and lower oil consumption

TYPICAL PROPERTIES

PROPERTY	TYPICAL
Appearance	**Light yellow clear oil**
Density at 20 °C, kg/dm³	**843**
Viscosity at 100 °C, cSt	**3.8**
Viscosity at -40 °C, cSt	**3000**
Flash point, COC, °C	**216**
Pour point, °C	**-56**
Acid number, mg KOH/g	**0.025**
Lubricity at 20±5 (Pk), kgf	**>71**
Mechanical impurities, %	**None**
Thermo-oxidative stability, 200 °C / 50 h (GOST 23797-79) — limits:	
Deposit insoluble in isooctane, %, max	**0.1**
Acid number after oxidation, mg KOH/g, max	**8.0**
Viscosity after oxidation at 100 °C, mm²/s, max	**5.0**
Viscosity after oxidation at -40 °C, mm²/s, max	**5000**
Corrosion (steel ShKh-15, Al alloy AK-4, Cu M-1/M-2)	**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.