



Product Data Sheet

HYJET[®] IV-A^{PLUS}

PHOSPHATE ESTER AVIATION HYDRAULIC FLUID

October 2000

Exxon HyJet IV-A^{PLUS} is the latest in a series of type IV fire-resistant aviation hydraulic fluids. As is the tradition with this technology, Exxon HyJet IV-A^{PLUS} builds on the strengths of its predecessors to provide superior product performance. Exxon HyJet IV-A^{PLUS} offers the following benefits and features:

- ◆ **Enhanced thermal stability and improved worker health characteristics as well as low density, and proprietary rust protection.**
- ◆ **Excellent protection against erosive wear and deposit formation under the most severe conditions**

Performance Features

Thermal stability

Because of its specialized formulation, HyJet IV-A^{PLUS} resists acid buildup better than other fluids. This superior resistance means longer fluid life in all operating conditions.

Rust protection

The rust protection of HyJet IV-A^{PLUS} provides a measure of security against potentially damaging water contamination of aircraft hydraulic system. Metals exposed to HyJet IV-A^{PLUS} contaminated with 10% water do not show any sign of rust damaged after 24 Hours at 60°C.

Precautions

Exxon HYJET IV-A^{PLUS} is manufactured from high quality synthetic base stocks, carefully blended with selected additives. As with all of our products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. This product contains materials which are irritating, and may injure eye tissue if not removed promptly. Frequent or prolonged contact may irritate the skin. Please refer to the Material Safety Data Sheet for further information.

When no longer suitable for service, Exxon HYJET IV-A^{PLUS} should be disposed of through an authorized liquid waste disposal company. Exxon HYJET IV-A^{PLUS} should not be mixed with used petroleum base oils which are intended to be collected and recycled by a re-refiner.

Note : This product is controlled under Canadian WHMIS legislation

Typical Properties

Flammability	
Flash Point, °C (°F)	174 (345)
Fire Point, °C (°F)	184 (363)
Autoignition, °C (°F)	>427 (>800)
Total Acid Number, mg KOH/g (Neutralization number)	0.04
Water, mass %	0.10
Viscosity, cSt	
@ -53.9°C	1342
@ 37.8°C	10.66
@ 98.9°C	3.60
Pour Point, °C (°F)	<-62 (-80)

The values shown above are representative of current production. Some are controlled by manufacturing and performance specifications while others are not. All may vary within modest ranges.