

Performance profile

Mobil™ HyJet™ V

Potential advantages and benefits

1 Exceptional stability (vs. Type IV) for reduced maintenance costs

2 Maintains precise system control at low and high temperatures

3 Wear, rust and corrosion protection helps extend equipment life

4 Low density helps reduce load weight and provide fuel savings

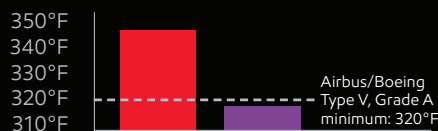
Many of today's commercial aircraft hydraulic systems require a fire-resistant fluid that offers greater stability, better wear protection and stronger corrosion control than Type IV hydraulic fluids can provide. Approved for all Airbus and Boeing aircraft, Mobil HyJet V aviation hydraulic fluid helps mixed fleets extend the life of hydraulic systems.

Since its introduction in 2008, more than 2,500 aircraft have operated on Mobil HyJet V hydraulic fluid. That's more than 10 million in-service hours on all key commercial aircraft types. It is compatible with all approved Type IV and Type V hydraulic fluids, elastomers and other hydraulic system materials. Mobil HyJet V hydraulic fluid is fully approved in any commercialized 5000 psi hydraulic pressure system.

Excellent flammability characteristics

■ Mobil HyJet V: 345°F

■ Competitive Type V Fluid: 318°F



ASTM D92 Flash Point Comparison (typical values)

Mobil HyJet V exceeds Airbus and Boeing Type V, Grade A flash point specifications, offering a higher measure of safety.

Did you know?

Mobil HyJet V offers more than **2X** the fluid life of Type IV hydraulic fluids.

Recommended applications

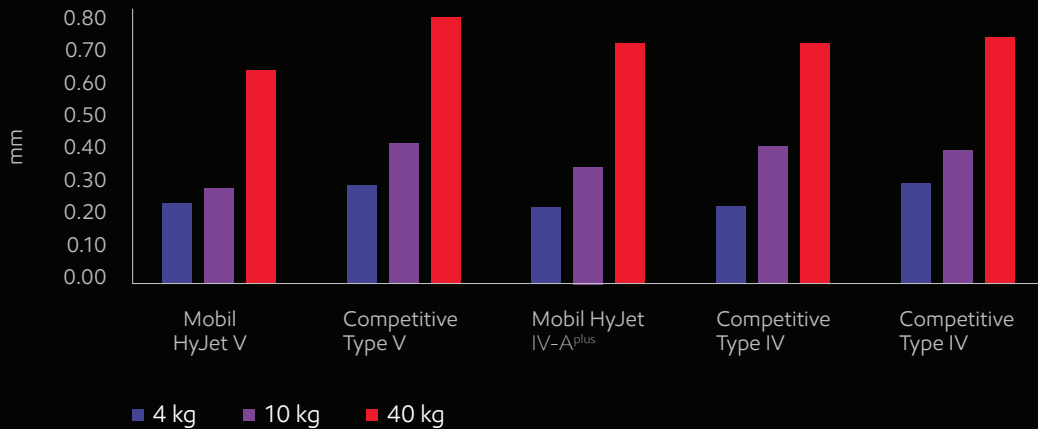
- SAE Aerospace Standard AS1241, Type V
- Airbus NSA 307110N
- Boeing BMS 3-11P, Type V, Grade A and C
- Boeing-Long Beach DMS 2014H, Type 5
- ATR NSA307110N, Type V
- Gulfstream 1159SCH302J, Type V
- Fokker, SL050, Type V

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Mobil™ HyJet™ V

Better wear protection

The Four Ball Wear Test (ASTM D 4172) determines the lubricity and wear protection properties of a lubricant.



Wear Scar in mm after one hour at 600 rpm, 75°C and force as shown.

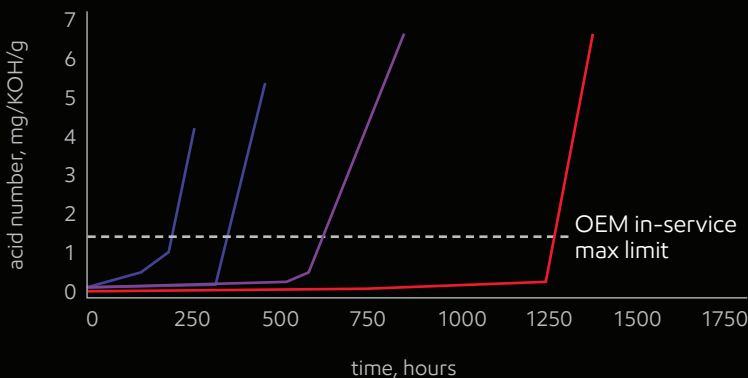
The Four Ball Wear Test (ASTM D 4172) produced generally smaller scars for Mobil HyJet V hydraulic fluid than for samples of other Type IV and Type V commercial products. The difference in wear protection performance between Mobil HyJet V hydraulic fluid and the competitive Type V product was especially pronounced.

Longer in-service life

The Airbus NSA 307110 Ampoule Test measures a fluid's resistance to reaction with water (hydrolytic stability) and molecular breakdown at high temperatures (thermal stability).

Hydraulic Fluid Life Type IV vs. Type V
Ampoule Test @ 0.5% Water, 125°C

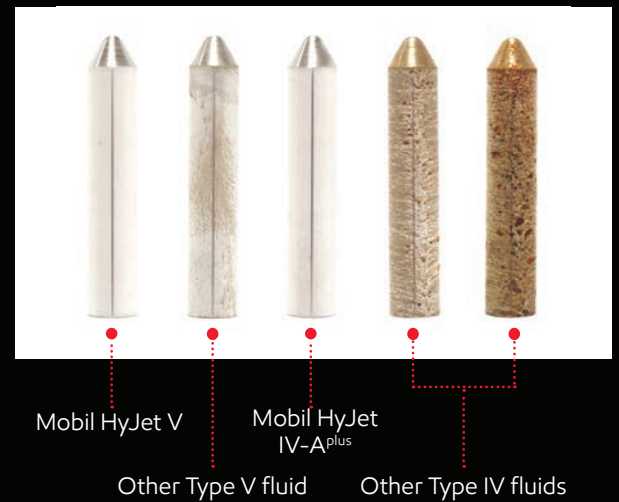
— Mobil HyJet V: 1240 hrs
— Mobil HyJet IV-A^{plus}: 565 hrs
— Other commercial Type IVs



Side-by-side testing confirmed that Mobil HyJet V hydraulic fluid offers better stability and longer in-service life than Type IV fluids.

Stronger corrosion control

The ASTM D 665A test identifies rust on polished steel rods that have been exposed to 10 percent water in fluid for 24 hours at 60°C (thermal stability).



Rust protection comparison

Mobil HyJet V hydraulic fluid combats corrosion better than competitive Type IV and Type V hydraulic fluids. Superior rust protection provides a measure of security against potentially damaging high-level water contamination of an aircraft's hydraulic system.

For more information

Please contact your ExxonMobil aviation sales representative.