

IAE V2500

Mobil Jet™ Oil II outperforms competitive Type II oil

Summary

Despite more hours and triple the cycles, Mobil Jet Oil II lubricant provided superior performance with negligible deposits compared to competitive Type II oil.

Oil comparison details

Oil in use	Mobil Jet Oil II	Competitive Type II oil
Operator	Major airline	Major airline
Engine hours	35,937 (total hours)	13,588 (total hours)
Engine cycles	16,478 (total cycles)	5,355 (total cycles)
Oil change	None	None
Removal	High exhaust gas temperature	Compressor damage

Engine inspection results

- 1 In general, IAE V2500 engines can be subject to a condition in which black sludge is seen throughout the bearing/seal compartments. This "black oil" condition was not seen in the engine operating on Mobil Jet Oil II lubricant.
- 2 Despite a low number of hours and cycles, the IAE V2500 engine operating with the competitive Type II oil had deposits and "black oil" throughout.
- 3 Jet engine oil should allow an operator to achieve normal and acceptable engine performance without incurring additional maintenance or operational costs.

No. 2 bearing



Mobil Jet Oil II. Very good condition. Negligible deposits.



Competitive Type II oil. Varnish and black oil deposits.

Mobil Jet™

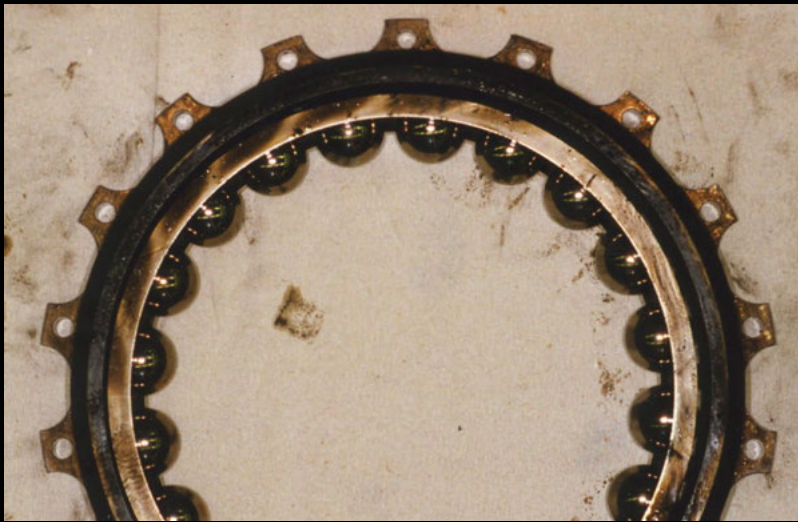
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IAE V2500

No. 3 bearing



Mobil Jet™ Oil II. Excellent condition. Negligible deposits.



Competitive Type II oil. Varnish and black oil deposits.

No. 3 carbon seal



Mobil Jet Oil II. Very good condition. Negligible deposits.



Competitive Type II oil. Varnish and black oil deposits.

Conclusion

Actual in-service performance is the final and most important indicator of how well oil keeps a jet engine running. Mobil Jet Oil II lubricant has provided outstanding performance in aircraft-type turbine engines for more than 50 years. It is the lubricant of choice for many of the world's leading airlines.

A comparison of Mobil Jet Oil II lubricant and a competitive Type II standard oil in two IAE V2500 engines confirmed Mobil Jet Oil II lubricant's exceptional performance.

For more information

Please contact your ExxonMobil aviation sales representative.