

GE CF34 engine

Mobil Jet™ Oil II delivers exceptional results

Summary

Mobil Jet™ Oil II is a synthetic Type II lubricant for aircraft-type gas-turbine engines. It helps control deposits, keep oil systems clean, extend engine life and can reduce the cost of engine maintenance.

Inspection of a major airline's GE CF34 engine confirmed its capabilities.

Engine inspection details

Operator	Major airline
Aircraft type	Regional jet
Engine hours	17,991 (total time)
Since last repair	3,303 hours
Engine cycles	14,988 (total cycles)
Since last repair	2,657 cycles
Oil change	None
Removal	Scheduled

Inspection results

Photos are typical of the inspected engine's overall cleanliness and condition.

- 1 Oil-wetted parts of the engine were clean and in good condition, with minimal deposits.
- 2 Borescope testing of the engine's rear frame oil lines found them essentially clear of deposit buildup.
- 3 The airline's engineering personnel judged the condition of the engine to be typical of one lubricated with Mobil Jet Oil II.



Oil supply tube. Negligible deposits. No reduction in area inside.

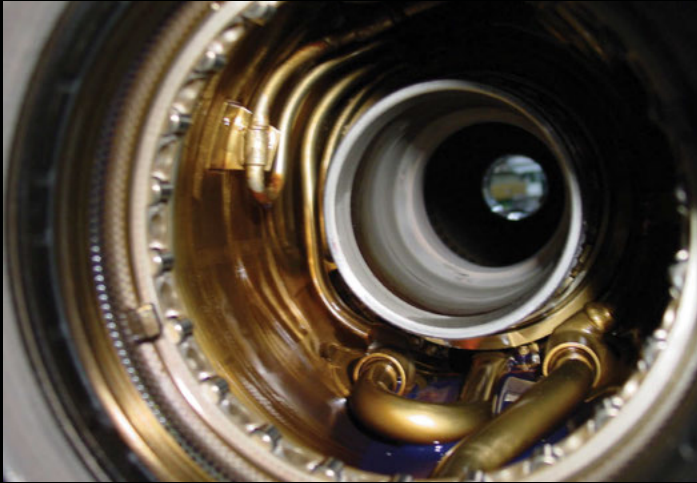


Scavenge oil tube. Negligible deposits. No reduction in area inside. The small piece of carbon and non-metallic flake migrated from another area of the engine.

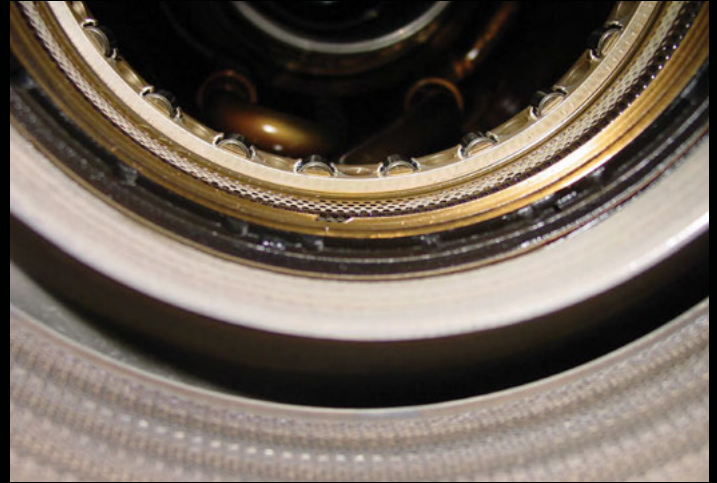
Mobil Jet™

Technology by **ExxonMobil**

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No. 4 bearing housing (#4 end). Excellent condition. Negligible deposits. Bearing and carbon seal in very good condition.



No. 5 bearing housing (#4 end). Excellent condition. Negligible deposits. Bearing and carbon seal in very good condition.



No. 5 carbon seal and bearing. Excellent condition. Negligible deposits.



No. 7 bearing/seal housing. Excellent condition. Very light varnish deposits. Carbon seal in very good condition.

Conclusion

Based on the results of this and other inspections, and discussions with airlines worldwide, the conclusion is that Mobil Jet™ Oil II delivers outstanding performance in GE CF34 engines.

Modern jet engines require a lubricant that can handle extreme speed, temperature and stress without breaking down or forming deposits. Mobil Jet Oil II is tailor-made to meet these challenges. It has provided outstanding performance in aircraft-type turbine engines for more than 50 years, and is the lubricant of choice for many of today's leading airlines.

For more information

Please contact your ExxonMobil aviation sales representative.