



## Mobil Jet™ Oil 254

High thermal stability (HTS) oil helps maintain engine efficiency and lower maintenance costs.

Increasing demands on builders to produce higher thrust, more efficient power plants led to the development of aircraft-type gas turbine engines requiring higher temperature bulk oil stability and deposit control than Type II standard oils could provide.

Approved against the SAE AS5780 High Performance Capability (HPC) standard and MIL-PRF-23699-HTS, Mobil Jet™ Oil 254 is recommended for commercial and military aircraft that operate in a wide range of severe conditions.

A proven performer since 1983, laboratory testing and engine inspections conducted on Mobil Jet Oil 254 confirm its ability to resist deterioration and deposit formation while maintaining the physical characteristics required by builder and military specifications.

For aircraft operators and maintenance, repair and overhaul (MRO) service providers, the exceptional thermal and oxidation stability of Mobil Jet Oil 254 can help:

- Keep oil systems clean
- Improve engine reliability
- Maintain engine efficiency
- Lower oil consumption, and
- Reduce cost of engine maintenance



*Mobil Jet™ Oil 254 is formulated to control carbon and sludge better than Standard Type II oils and competitive high thermal stability (HTS) products.*

ExxonMobil Aviation maintains quality control from raw materials to the finished product.

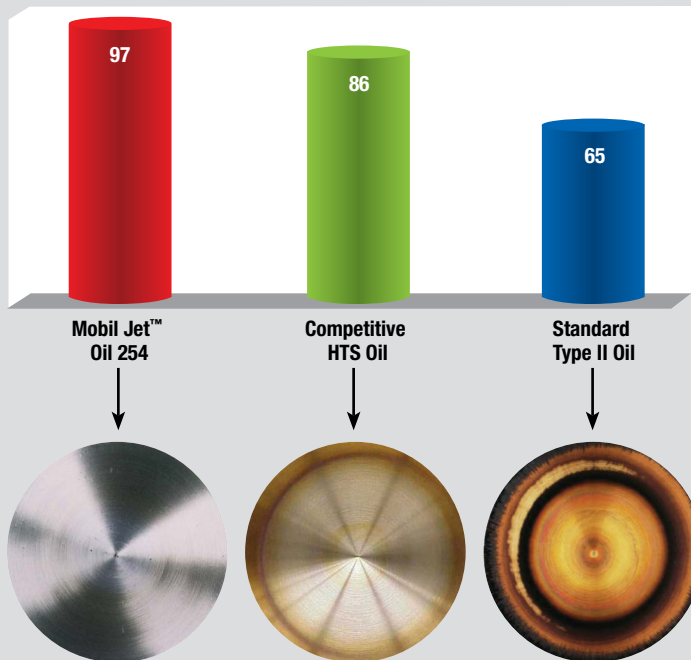
We manufacture the high-quality basestocks and many of the additives used in formulations and blends, and also package the finished product.

over →



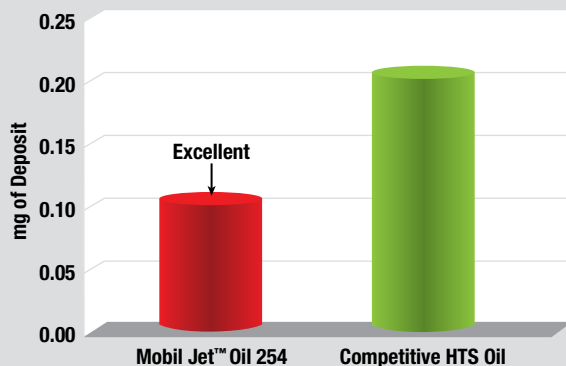
# Mobil Jet™ Oil 254 – Performance

## Outstanding Deposit Control



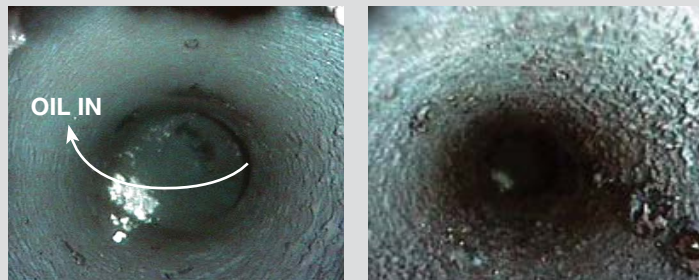
- Thin Film Oxidation test predicts oil's ability to resist deposit formation when subjected to extreme temperatures and oxidation
- Test correlates with known field performance in turbine bearing and seal compartments
- 100 = "clean" at high temperatures (thermal stability)

## Excellent Resistance to Coking



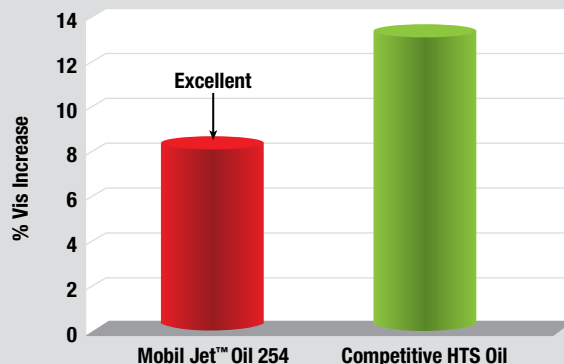
- Hot Liquid Process test reveals oil's propensity to create deposits in a fully flooded region of the engine
- At conclusion of test, deposits are measured to the nearest 0.1 mg
- The higher the deposit weight, the greater the oil's propensity to coke in oil pressure lines
- Test results show 50 percent less deposits for Mobil Jet™ Oil 254 compared to competitive HTS oil

## Exceedingly Clean



- An inspection performed on a first-run CFM56-7B26 engine confirmed that Mobil Jet™ Oil 254 helped reduce the formation of carbon and sludge deposits in this highly stressed engine with 31,318 hours and 13,581 cycles
- The aft sump oil supply line showed no significant deposits despite the engine's high number of hours and cycles, demonstrating the oil's outstanding performance in this notoriously demanding section of the engine

## Exceptional Stability at High Temperatures



- Oxidation & Corrosion test reveals oil's resistance to oxidation and corrosion degradation and its propensity to corrode metals
- Oxidation reduces oil's service life and leads to increase in viscosity and sludge
- At conclusion of test, oil is evaluated for change in metal weight, increases in viscosity, total acid number and sludge
- When compared with competitive HTS oil, test results show that Mobil Jet™ Oil 254 offers a 40 percent advantage in high-temperature bulk oil stability

**For more information on Mobil Jet™ Oil 254 and our other nose-to-tail aviation lubricant solutions, contact your local ExxonMobil Aviation representative or visit [exxonmobil.com/aviation](http://exxonmobil.com/aviation).**