

OIL CONDITION MONITORING

AVIATION OIL TESTING

AeroCHECK™ is an intergrated solution for the
Aviation industry





AeroCHECK™ - Total Quality Assurance for the Aerospace Industry

In an industry where timing is crucial, fast access to test results and solutions is vital. With the Intertek AeroCHECK program we provide reliable, accredited testing of fuels, lubricants and debris samples, with fast turnaround times, straightforward reports, online access and a 24-hour dedicated support hotline.

As a fully integrated solution for the aircraft industry, AeroCHECK™ supports all aspects of your aircraft's fuel and lubricant systems, and additionally gives you simple, easy access to our full range of aerospace services.

Integrated Test Solution for the Aircraft Industry

AeroCHECK™ is a key tool that will enable you to maximise the reliability and availability of your aircraft. Intertek provides a wide range of accredited testing services for all aspects of your aircraft's fuel and lubricants systems.

AeroCHECK™ gives you a cost effective solution that will support you in maximising the reliability and availability of your aircraft. We assist you in identifying potential component failures before they occur, helping you to reduce unscheduled maintenance to a minimum.

AeroCHECK™ reports provide trending information and fully interpreted results, with easy to understand summaries and recommendations.

With a single point of contact for all your requirements, you also have easy access to our full range of testing, consultancy and problem solving capabilities, including mode of failure and forensic engineering services.

Test Suites

AeroCHECK™ includes a wide range of accredited tests for fuels and lubricants, including:

- Engine oil testing
- Gearbox oil testing
- Hydraulic fluid analysis
- Fuel analysis including microbiological contamination
- Magnetic Chip Detector (MCD) debris analysis
- Filter analysis
- Grease testing
- Water testing

AeroCHECK™ Services

- Single point of contact for all your requirements
- Fluid testing (engine, gearbox & hydraulic oil, and fuel)
- Filter/debris analysis
- Full result trending and interpretation
- Forensic engineering and mode of failure investigations
- Supply of sample kits and complete courier service
- 24 hour support
- Reports by email and online via our website

Aerospace Industry Services

AeroCHECK™ gives you access to our full range of services that support the aviation industry, including testing, auditing, certification, inspection and quality assurance services.

From materials and component quality assessment to the auditing of aerospace management systems our experts have decades of industry expertise. Services include:

- Aerospace materials testing, including composites (Nadcap), polymers and metals
- R&D laboratory support for aerospace materials
- Component testing (including EMC)
- Testing according military standards including MIL-STD 461 and MIL-STD 810
- Management systems auditing and verification (AS 9100, AS 9003, AS 9110 and AS 9120)

Sustainable Aviation Fuel Testing

With a drive to a more sustainable future and net zero targets from 2050, the aviation industry is looking to more innovative solutions, such as Sustainable Aviation Fuel (SAF).




Numerous processes have now been approved for the production of SAF as a blending component within jet fuel.

Intertek provides compositional testing and rapid quality control testing for SAF and blended SAF/Jet A1, helping to identify fuel contamination issues, detect trace unwanted residues, provide confirmation of fuel safety, and more.

Jet fuel certification can be performed to key global standards such as; Defence Standard 91-091, ASTM D1655, JIG Aviation Fuel Quality Requirements for Jointly Operated Systems (AFQRJOS Checklist) and the Standard Specification for Aviation Turbine Fuel Containing Synthesized Hydrocarbons; ASTM D7566, which includes ASTM D2425 to confirm hydrocarbon types.

Intertek laboratories are ready to provide prompt testing and reporting services, supporting jet fuel clients throughout the product life cycle, from R&D conception through to cargo inspection and delivery to the end user.



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