

Service Letter

SL-MD10-002

1 Technical Details

1.A Aircrafts affected

JS-MD 3 with jet sustainer, All serial numbers

1.B Subject

EGT during engine start-up operation

1.C Reason

EGT exceeds temperature limit during start-up

1.D Information

Dear valued customer,

Out of customers experience we realized that our start up temperature on the JS3 installation of the MD-TJ42 engine is exceeding from time to time the published limit temperature. We could detect that phenomena in our lab, which is caused by the rotation of the engine from the JS1 installation to the JS3 installation. However, the EGT sensor was not rotated.

As supplier of the engine we always wanted to keep the system as simple as possible for the maintenance and we also wanted to keep the costs of the engine low, thus we didn't change the sensor position. The temperature is not equally distributed over the radius of the exhaust during start up but the TIT (Turbine intake temperature) is not affected, which can only be measured in the LAB. The critical temperature for the turbine stage therefore didn't change and will not cause any harm to the engine.

In the near future we will apply for an official change and the published values in the handbooks will be altered.

1.E References

MD10-AFM-00-002-I00_JS-MD 3 Jet Sustainer Flight Manual Supplement

2 Remarks

2.A Remarks

Service Letters are used only

- to distribute information from M&D Flugzeugbau GmbH & Co. KG to our customers or
- to distribute applicable information / documents from our suppliers to our customers with additional information.