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1. General Information

1.A Reason:

M&D description for overhaul and inspection of the MD-TJ42 engines.

1.B Subject:

Publication of the M&D overhaul (50 hours, 449 Cycles) and inspection (6 years) information for MD-TJ42 engines.

1.C Engines affected:

All MD-TJ42 engines.

1.D Concurrent SB and SL:

None.

1.E Abbreviations

AD	Airworthiness Directive
LLP	Life Limited Part
SB	Service Bulletin
TBO	Time Between Overhaul
TSO	Time Since Overhaul
TSR	Time Since Replacement

2. Description of Life Time for the MD-TJ42

2.A Airworthiness Limitations for MD-TJ42

The following section describes the airworthiness limitations of the engine MD-TJ42.

The airworthiness limitations section as part of the Operating and Maintenance Manual (OMM) is approved by the European Aviation Safety Agency (EASA) in accordance with Part 21.A.31(a)(3).

Critical parts which are subject to low cycle fatigue are listed in the following table with their maximal number of cycles.

LLP	Part Number	Maximal Cycles
Turbine Wheel	MD02-72-50-08	449
Compressor Wheel	MD02-72-30-01	449

Once the life limit is reached, the life limited parts (LLPs) have to be changed.

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2.B Time between Overhaul and Time between Inspection

The operating times according to cycles, hours and years (whichever comes first is the limiting time) listed in table below shall not be exceeded.

If the operating time is reached the engine has to be sent to M&D or an approved maintenance organisation for overhaul or inspection.

Assembly	Time Between Overhaul		Time between Inspection
	Cycles	Hours	Years
MD-TJ42	449	50	6

Note: The ECU has to send together with the engine in case of an overhaul.

2.C 50 hours or 449 Cycles Overhaul

When the engine reached 50 hours or 449 cycles (whichever comes first) an overhaul of the engine has to be done. The overhaul includes a visual inspection and a replacement of various components.

The LLPs have to be replaced in any case:

- Turbine wheel
- Compressor wheel

2.D 6 Years inspection

When the engine reaches 6 years after last inspection or overhaul respectively the manufacturing date a visual inspection of all parts will be carried out by an approved maintenance organization.

2.E After Overhaul or Inspection

After the engine was overhauled or inspected it will be delivered back with all necessary documents to the customer. The cycles, hours and years will be reset as follows:

After the 50 hours or 449 Cycles overhaul:

- Zero hours since overhaul
- Zero cycles since overhaul
- Restart of the 6 years interval

After the 6 years inspection:

- Restart of the 6 years interval

2.F Loaner Engine

As a service for our customers it is possible to get a loaner engine from stock (subject to availability), if the engine has to be overhauled during the racing season.

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3. Prices

M&D reserves the right to change the pricing without prior notice.

3.A **Overhaul (50 hours or 449 cycles)**

On request.

3.B **Inspection (6 years)**

750,- € (without VAT)

3.C **Loaner Engine**

12,- € per cycle (without VAT)

Note: Not included in the above mentioned prices are:

- Shipping costs
- Any defects found during the inspection / overhaul which needs to be fixed
- The accomplishment of applicable AD's and / or mandatory SB's