



ANEXO II

Excerto do Manual de Manutenção da Turbina

Turbomeca Arriel 1D1

TURBOMECA ARRIEL 1 D1

MAINTENANCE MANUAL

13
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TASK 79-00-00-610-803-A01

OIL SYSTEM ROUTINE MAINTENANCE



1. PROVISIONING

The provisions for this task are given in paragraph A. and in the tasks of paragraph B

A. Provisions mentioned in the procedure

Standard tools

Not applicable

Special tools

Not applicable

Systematic spares

Not applicable

Spares

Not applicable

Consumables

Description	Quantity
Engine oil	as required

B. Additional provisions

Not applicable

2. TASKS/REFERENCE DOCUMENTS

Read carefully the information given in the tasks/documents mentioned hereafter

- Drain the aircraft oil system (refer to the Helicopter Maintenance Manual).
- Fuels - Lubricants - Special products. Refer to Task 71-00-02-940-801

WARNING

READ CAREFULLY ALL THE NOTES, CAUTIONS AND WARNINGS TO PREVENT INJURY TO PERSONS AND DAMAGE TO EQUIPMENT.

3. PROCEDURE

Effectivity: D1

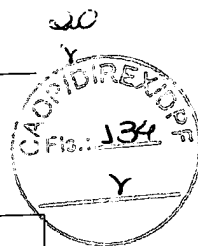
Routine maintenance
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June 30/2009

The information in this manual is subject to the warning given on the information page

79-00-00-610-803-A01

TURBOMECA ARRIEL 1 D1

MAINTENANCE MANUAL



WARNING

READ AND OBEY THE SAFETY INSTRUCTIONS BEFORE YOU START THE PROCEDURE ON THE OIL SYSTEM.

WARNING

DO NOT BREATHE THE OIL VAPORS. MAKE SURE THAT THE AREA WHERE YOU WORK IS OPEN TO THE AIR. DO NOT GET THE OIL ON YOUR SKIN. PUT THE RUBBER GLOVES AND A FACE SHIELD OR THE SAFETY GOGGLES. THE OIL CAN BE POISONOUS.

NOTE: Rinse the oil system:

- If there is a contamination of the oil system
- If a new synthetic oil is used and if it has a different specification, a different mark, a different NATO symbol or a different category within the same symbol (e.g., NATO symbol 0-158/ET02197).
- If the module has operated with a new synthetic oil (as defined above) on an engine which has never operated with this synthetic oil (and conversely).
- If you do not know the brand of the former oil.

A. Preliminary procedures

Not applicable

B. Rinsing of the oil system

(1) Procedure

- Fully drain the oil system (including the oil filter). Refer to Task 79-00-00-610-801
- Fully drain the oil cooler. Refer to helicopter maintenance manual.
- Examine the oil filter Refer to (Refer to Task 72-61-00-900-802)
- If a new synthetic oil has been used:
 - Examine the strainer of the oil return pipe of the rear bearing of the gas generator. Refer to Task 79-38-00-210-801

NOTE: If you find carbon deposits:

- Examine and clean the rear bearing of the gas generator (if approved by TM), or
- Send Module 03 - Gas generator back to the factory for inspection and cleaning of the rear bearing.

- Add oil to a level superior to the level of the low oil warning light. Use oil that agrees with the recommended brand or lubricant specification.
Refer to helicopter maintenance manual.
- Do a ground run for 5 minutes with the oil temperature at 40°C (104°F) minimum. Refer to Task 71-02-13-280-801

- (g) Fully drain the oil system (including the oil filter). Refer to Task 79-00-00-610-801.
- (h) Fully drain the oil cooler. Refer to helicopter maintenance manual.
- (i) Replace the oil filter. Refer to Task 72-61-00-900-802
- (j) If a new synthetic oil has been used.
 - Examine the strainer of the rear bearing of the gas generator. Refer to Task 79-38-00-210-801
- (k) Add oil to a level superior to the level of the low oil warning light. Use oil that agrees with the recommended brand or lubricant specification. Refer to helicopter maintenance manual.
- (l) If a new synthetic oil has been used:
 - Every 10 hours, during the next 60 operating hours:
 - Examine the strainer of the rear bearing of the gas generator. Refer to Task 79-38-00-210-801

NOTE: *If you find more carbon deposits:*

- *Examine and clean the rear bearing of the gas generator (if authorised by TM), or*
 - *Send Module 03 - Gas generator back to the factory for inspection and cleaning of the rear bearing.*
- If the inspection confirms the presence of friable carbon deposits or viscous residue:*
- *Do this inspection on all the engines on which a new synthetic oil has been used.*

C. Additional procedures

- (1) Refer to the Post-Maintenance Inspection table, refer to Chapter 05-50-00

4. FINAL STEPS

Not applicable