


EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	<p>AD No : 2007 – 0061-E</p> <p>Date: 07 March 2007</p>
No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.	
Type Approval Holder's Name : TURBOMECA	Type/Model designation(s) : TURMO turboshaft engine
TCDS Number : France M8	
Foreign AD : not applicable	
Supersedure : 2006-0240-E	
ATA 72	Engine - Flexible lubrication pipe between tank and cooler and flexible lubrication pipe between intermediate bearing and oil pump inspection
Manufacturer(s):	TURBOMECA
Applicability:	<p>This Airworthiness Directive applies to all TURMO IV turboshaft engines fitted with an oil pipe P/N 0 249 92 813 0 or 0 249 92 916 0 or 0 249 92 808 0.</p> <p>These engines are known to be installed in, but are not limited to, Eurocopter SA 330 F, G or J PUMA helicopters.</p>
Reason:	<p>Several occurrences of deterioration of:</p> <ul style="list-style-type: none"> - the oil pipe P/N 0 249 92 813 0 installed on TURMO III C4 between the oil cooler and the tank; - the oil pipe P/N 0 249 92 808 0 installed on TURMO III C4 and TURMO IV C between the intermediate bearing and the oil pump; <p>have been reported to Turbomeca. Most, but not all, reported occurrences concerned military models.</p> <p>Such deterioration and oil leakage can lead to commanded engine in flight shut down.</p> <p>The cause the pipe deterioration is linked to a manufacturing process change applied by the manufacturer of the pipes in 2003.</p> <p>This Airworthiness Directive applies to oil pipes P/N 0 249 92 813 0,</p>

	<p>0 249 92 916 0 and 0 249 92 808 0, which are the same as, or similar to, the deteriorated pipes in military models.</p> <p>The present update introduces inspection of the pipe 0 249 92 808 0, for which two occurrences of deterioration were recently reported.</p>
Effective Date:	09 March 2007
Compliance:	<p>1- For engines equipped with oil pipe P/N 0 249 92 813 0 or 0 249 92 916 0 or 0 249 92 808 0, unless already performed, the following actions are mandatory, from the effective date of this AD:</p> <p>Before next flight:</p> <ul style="list-style-type: none"> - Identify the vulcanisation batch of the oil pipe. - If the pipe was vulcanised in the 2nd quarter of 2003 or later (ex.: marking 2T03 refers to the 2nd quarter of 2003), <ul style="list-style-type: none"> - Inspect the oil filter for black particles which could come from internal deterioration of the pipe. - Inspect the engine bay for possible oil leakage from the pipe. - Perform a boroscope inspection of the pipe. <p>2- If both engines installed on a given helicopter are equipped with pipes P/N 0 249 92 813 0 or 0 249 92 916 0 which were vulcanised after the first quarter of 2003, replace one of the two pipes before the next flight.</p> <p>3- After 25 additional flight hours, repeat the inspections required by paragraph 1.</p> <p>NOTE: inspection for oil leaks before and after flight, and inspection of the oil filter every 25 hours, as defined in the Engine Maintenance Manual, remain applicable.</p> <p>The updated procedure is defined by the referenced TURBOMECA Mandatory Service Bulletin A249 72 0802 Update No. 2.</p>
Ref. Publication:	<p>TURBOMECA Mandatory Service Bulletin A249 72 0802 Update No. 2 or later approved revisions.</p> <p>TURBOMECA Maintenance Manual 279 02 931.</p>
Remarks :	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOC) for this AD. 2. The safety assessment has resulted in a decision not to implement the full consultation process but to proceed immediately with publication and notification. 3. Enquiries regarding this AD should be addressed to Mr. M. Capaccio, AD Focal Point, Certification Directorate, EASA. E mail: Ads@easa.europa.eu 4. For any questions concerning the technical content of the requirements in this AD, please contact:

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