

Document Reference

Document ID	PSE/TQ/2022/81647	Contact	Ezhan Izzad Mohd Nor
Your Code Reference		Subject	9M-PMD S/N 31809 - TRANSMISSION OVERTORQUE
Topic	TECHNICAL	Subtopic	SAFETY/AIRWORTHINESS
Issue	ISSUE	Team Legal Entity	Italy

Contact Details

Customer Description	GALAXY HELICOPTERS(M) SDN BHD	Customer ID	0050007871
Email	ezhan@galaxyaerospace.my		

Contacts List

First Name	Last Name	Email	User Type
YASIR	SHAPUAN	yasir@galaxyaerospace.my	Engineer in Charge
Ahmad Akmal Alif	Abdul Aziz	akmalalif@galaxyaerospace.my	Engineer in Charge

Customer Service

Priority	AOG	Creation On (UTC)	24/09/2022
Resolve By (UTC)	25/09/2022	Leonardo Closure Date (UTC)	26/09/2022
Additional Note			

Helicopter Data

ATA Code	63	Description	MAIN ROTOR DRIVE(S)
Helicopter S/N	NC0031809	Aircraft Tail Number	9M-PMD
Helicopter Line	AW139	Helicopter Model	AW139
Repair Instruction Query	False		

Part Number	Component S/N	Component F/H	On (Date)(UTC)

Flight Hours	FH Last Update	Create date
1408,15	16/09/2022	16/09/2022

Ticket Description

TYPE: AW139

REG: 9M-PMD

S/N: 31809

TQ ref: PSE/TQ/2022/53377, PSE/TQ/2022/54227, PSE/TQ/2022/75782

Dear Sir/Madam,

A report received from the maintenance crew regarding an overtorque event. Referring to 39-A-00-70-00-05A-28AA-A - Transmission Overtorque - Conditional Inspection; if the TQ is 121 % thru 125%, send data to manufacturer. In the view of this, we seek your advise on the next course of action. Attached fdr data for your perusal.

Your help is highly appreciated.

Thank you

History Log

Mohd Nor Ezhan Izzad : 25/9/2022 08:35:51 (UTC) :

Dear Francesco,

Noted with thanks on the response.

Francesco Sgobba : 25/9/2022 08:23:31 (UTC) :

Thanks Ezhan for the confirmation,

we confirm the analysis are in progress, as soon as possible we'll be back to you with updates.

Kind regards
Francesco Sgobba

Mohd Nor Ezhan Izzad : 25/9/2022 07:59:49 (UTC) :

Hi Francesco,

Yes, the aircraft is equipped with HUMs kit.

Francesco Sgobba : 25/9/2022 07:45:13 (UTC) :

Thanks Ezhan,

the analysis of FDR are in progress, could you please let us know also if the aircraft is equipped with HUMS kit?

Thanks and kind regards
Francesco Sgobba

Mohd Nor Ezhan Izzad : 25/9/2022 02:55:41 (UTC) :

Dear Dhana,

Kindly find the informations you requested, as follows:

1. H/C 31809 latest FH

[1276:45 FH](#)

2. H/C 31809 status (e.g. AOG, in maintenance, etc)

[In maintenance](#)

3. Next scheduled flight of H/C 31809

[NSF - 26/09/2022](#)

4. MGB P/N, S/N and FH details

[P/N: 3G6320A00134](#)

[S/N: AW858](#)

[FH: 1276:45](#)

5. SW phase of this H/C

[SW phase 7.12](#)

6. Pilot report on the event if available

[The overtorque happen during One-Engine Inoperative \(OEI\) training](#)

Dhanaraj Eliyathamby : 25/9/2022 02:12:38 (UTC) :

Dear Ezhan,

In order to prioritize your request, could you provide the following details:

1. H/C 31809 latest FH
2. H/C 31809 status (e.g. AOG, in maintenance, etc)
3. Next scheduled flight of H/C 31809
4. MGB P/N, S/N and FH details
5. SW phase of this H/C
6. Pilot report on the event if available

Regards,
Dhana

Closing Note

Dear all,

the analysis of the FDR has been concluded confirming the overtorque event. In particular, the analysis was focused on the last recorded flight during which two events were detected, both as consequence of the automatic deactivation of the OEI TNG mode due to low NR (< 87%). In the first case rotor speed decreased to 87% and the AEO condition was automatically restored. Engines power rapidly increased and exceeded the TOP limit (110%) for 7 seconds with a maximum recorded value of 115.9% and 117.7% on Eng.1 and Eng.2 respectively. The second event lasted a single second with a recorded TQ peak of 115.4% on Eng.1 and 120.4% on Eng.2.

In light of the above we confirm that no further actions are deemed necessary for subject case.

Kind regards
Francesco Sgobba

Ticket Attachments

Attachment's Name	Uploading Date
PMD E1&E2 TQ High (1).jpg	24/09/2022
fd2.zip	24/09/2022
fd1.zip	24/09/2022
PMD E1&E2 TQ High (2).jpg	24/09/2022
PMD XMSN OVTQ AEO (1).jpg	24/09/2022
PMD XMSN OVTQ AEO (2).jpg	24/09/2022