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|--|------------|-------|--|--|
| CLIENT/OWNER: ROYAL MALAYSIAN NAVY (RMN) AIRCRAFT TYPE: AS555SN REGISTRATION: M502-1 BASE/FACILITY: RMN BASE LUMUT DATE IN: REFER WORKPACK OUT: REFER WORKPACK | SERIAL NO. | HOURS | LDG/CYCLE | WORKSHEET NO: 1183-002 |
| | AIRCRAFT | 5709 | REFER WORKPACK | WORK/INSP/DESC: 150 FH INSPECTION |
| | #1 ENGINE: | 2393 | REFER WORKPACK | WORKPACK REF: M502-1-1183 |
| | #2 ENGINE: | 2408 | REFER WORKPACK | AJL REF NO.: NOT APPLICABLE |
| | | | NG / N1 NF / N2 | SHEET: 9 OF 15 |
| Reason for raising: 150 FH INSPECTION TO BE CARRIED OUT IN ACCORDANCE WITH AS555SN MAINTENANCE MANUAL REV 009 DATE 20.09.2021, MASTER SERVICING MANUAL REV 12 DATE 13.09.2021, AIRWORTHINESS LIMITATION SECTION REV 11 DATED 13.09.2021 | | | Raised by and date: SYED AJAD 06/12/2022 | Other requirements/information: NIL |

| Item | Description | Technician | * Eng. CRS | Date |
|------|--|--------------|--------------|---------|
| 10. | MSM 05-21-01, PG 5, 63-20 MAIN GEARBOX 63/20/00/000/000/065 SPECTROMETRIC OIL ANALYSIS PROGRAM (SOAP) THE SAMPLE MUST BE TAKEN DURING THE INSPECTION NEAREST TO EACH DUE TIME OIL MONITORING USING SOAP IS OPTIONAL SDI REFERENCE: AS555SN MET 60.00.00.601 MAN: 1 HOURS: 1.0 TOTAL MAN HOURS: 1.0 REMARKS: SPECTROMETRIC OIL ANALYSIS PROGRAM (S.O.A.P) PERFORMED. FOUND SATISFACTORY. | 1230 | 1240 | 27/1/23 |

- The work recorded above has been carried out in accordance with the AW139 Interactive Electronic Technical Publication (IETP), Air-vehicle Maintenance Planning Information (AMPI) - EASA and PT6C-67C Engine Maintenance Manual.
- The work recorded above has been carried out in accordance with the Airbus AS555SN Maintenance Manual, Airbus AS555SN Airworthiness Limitations Section (ALS) and Master Servicing Manual (MSM) and Arrius 1 A Maintenance Manual.
- The work recorded above has been carried out in accordance with Super Lynx Compound Interactive Electronic Technical Publication (CIETP) and CTS800-40N Engine Maintenance Manual.
- The work recorded above has been carried out in accordance with the Airbus AS365N3 Maintenance Manual, Airbus AS365N3 Airworthiness Limitations Section (ALS) and Master Servicing Manual (MSM) and Arriel 2C Maintenance Manual

The work recorded above has been carried out in accordance with the requirements of the Technical Airworthiness Management Manual (TAMM) for the time being in force and in that respect the aircraft / equipment is considered fit for release to service.



UIN 09FCF51

Gearbox

Unit No. M502-1

Unit Details:

Make

Model

Serial No. M5782

Capacity Ltrs

Site

Compartment Details:

Name MGB/5182

Make

Model

Serial No.

Customer:

GALAXY AEROSPACE (M) SDN BHD

DIAGNOSIS

Results were obtained on the sample as received.

Authorized Signatory - Diagnostician:

Halinazeti.Hazar

LEGEND

Normal Severe Abnormal Caution Normal

Right Solutions • Right Partner

Certificate of Analysis

| | |
|----------------------|--------------|
| DATE SAMPLED | 09-May-23 |
| DATE RECEIVED | 18-May-23 |
| DATE REPORTED | 25-May-23 |
| TRIBOLOGY LABORATORY | Kuala Lumpur |

| | |
|-----------------|-------------|
| SAMPLE NO. | 20108050930 |
| TRACKING NUMBER | 702137582 |
| WORK ORDER NO. | |
| MACHINE | Hrs 432 |
| COMPONENT | Hrs |
| OIL | Hrs |
| OIL MAKE | Mobil |
| OIL TYPE | Jet Oil II |
| OIL GRADE | - |
| OIL ADDED | Ltrs |
| FILTER | Hrs |
| FILTER CHANGED | |
| OIL CHANGED | |

| | |
|----------------|----|
| Metals (ppm) | |
| Chromium (Cr) | <1 |
| Copper (Cu) | <1 |
| Iron (Fe) | <1 |
| Nickel (Ni) | <1 |
| Aluminium (Al) | <1 |

| | |
|-----------------|----|
| Elemental (ppm) | |
| Silver (Ag) | <1 |
| Silicon (Si) | 1 |
| Titanium (Ti) | <1 |
| Zinc (Zn) | 1 |
| Magnesium (Mg) | <1 |



This document shall not be reproduced except in full. Analysis undertaken on sample as received. Testing performed between Date Received and Date Reported unless otherwise specified.

Results that fall on limits are diagnosed in accordance with customer limits & ALS Reporting guidelines, unless a specified decision rule is requested.

For all test methods, units of measurement and measurement uncertainties, click on this link.



| | |
|-------------------|--|
| No Data Available | No Data Available |
| No Data Available | No Data Available |
| No Data Available | Filter Image Filter patch test is not performed Contact laboratory for more information |

0288 v1.12

This analysis report is dependent upon the accurate completion of the sample submission sheet and correct sampling techniques as advised. The analysis is intended as an aid only in predicting mechanical wear and should not be regarded as a substitute for proper servicing or mechanical inspection. The company does not accept any liability whatsoever in respect of any loss or damage (including loss of profits, economic or other consequential loss or damage) however caused which may arise directly, or indirectly, as a result of the matters referred to in this analysis report.

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Europe
Prague

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Edmonton, Alberta

Southeast Asia

Kuala Lumpur, Singapore

South America

Santiago de Chile
Belo Horizonte, Sao Paulo, Brazil

All test methods are determined by laboratory location, and customer requirements. Methods can be made available on request by contacting the testing laboratory.

Alarm limits are based on a combination of trend and OEM, client and/or ALS proprietary specifications. For more information please contact your testing laboratory.