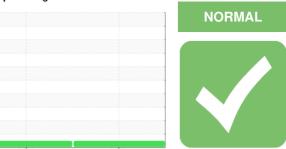


OIL ANALYSIS REPORT

Sample Rating Trend



(CGHON) C-GHON [CGHON] EUROCOPTER AS350 B3 M5058

Rotor Gearbox

NYCOLUBE 3525 (5 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal. The ferrography results are normal indicating no abnormal wear in the system.

Contaminants

The water content is negligible. There is no indication of any contamination in the oil.

Oil Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

			Feb 2024	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0847678	WC0593039	
Sample Date		Client Info		24 May 2024	28 Feb 2024	
ΓSN	hrs	Client Info		50	9	
TSO .	hrs	Client Info		50	9	
Oil Age	hrs	Client Info		50	9	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>30	1	<1	
Chromium	ppm	ASTM D5185(m)	>4	0	0	
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	
Γitanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)	>5	0	0	
Aluminum	ppm	ASTM D5185(m)	>8	<1	<1	
_ead	ppm	ASTM D5185(m)	>10	0	<1	
Copper	ppm	ASTM D5185(m)	>8	<1	<1	
rin	ppm	ASTM D5185(m)	>4	0	0	
Antimony	ppm	ASTM D5185(m)	>5	0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	0	
Barium	ppm	ASTM D5185(m)		0	0	
Molybdenum	ppm	ASTM D5185(m)		0	0	
Manganese	ppm	ASTM D5185(m)		0	0	
Magnesium	ppm	ASTM D5185(m)		<1	<1	
Calcium	ppm	ASTM D5185(m)		<1	<1	
Phosphorus	ppm	ASTM D5185(m)		6	8	
Zinc	ppm	ASTM D5185(m)		1	1	
Sulfur	ppm	ASTM D5185(m)		10107	9915	
_ithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>10	0	<1	
Sodium	ppm	ASTM D5185(m)		0	0	
Potassium	ppm	ASTM D5185(m)	>20	0	1	
Nater	%	ASTM D6304*	>0.2	0.001	0.003	
opm Water	ppm	ASTM D6304*	>2000	7	27	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

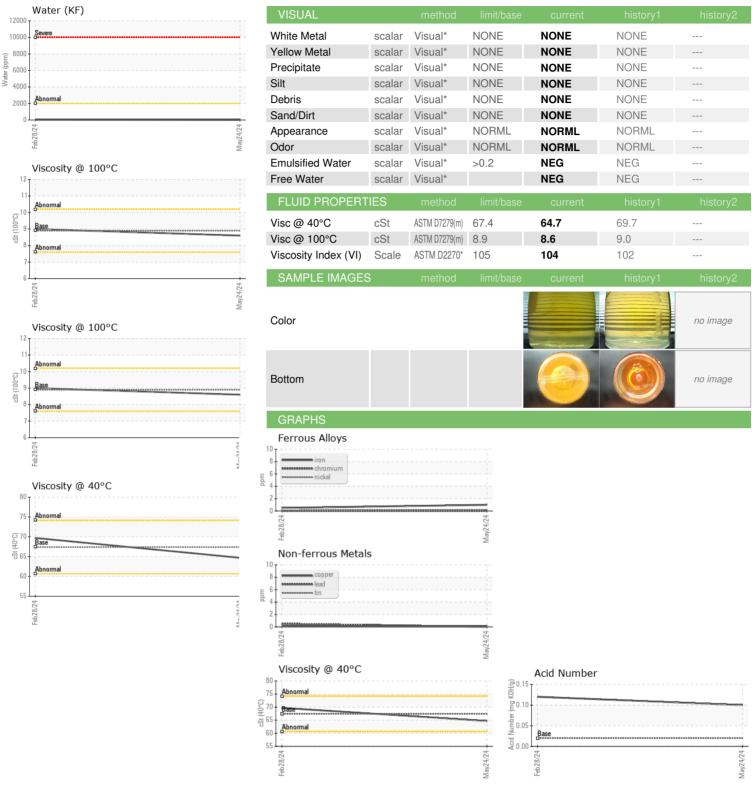
mg KOH/g ASTM D974* 0.02

0.12

0.10



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: WC0847678 : 02643399 Unique Number : 5800938 Test Package : AVI 3

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 21 Jun 2024 Tested : 26 Jun 2024

Diagnosed : 26 Jun 2024 - Kevin Marson

HYDRO ONE HELICOPTERS LAKE SIMCOE REGIONAL AIRPORT, 224 LINE 7 N. ORO STATION, ON

CA LOL 2E0 Contact: Ken Sanford ken.sanford@hydroone.com T: (705)487-1771

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.

F: (705)487-5817

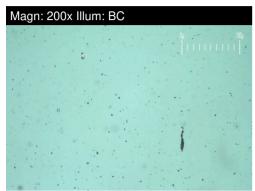


FERROGRAPHY REPORT

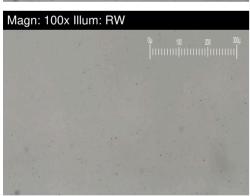
(CGHON) C-GHON [CGHON] EUROCOPTER AS350 B3 M5058

Rotor Gearbox

Fluid NYCOLUBE 3525 (5 GAL)



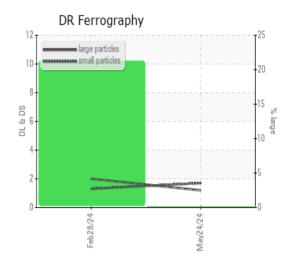




DR-FERROGRAP	ΉY	method	limit/base	current	history1	history2
Large Particles		DR-Ferr*		1.2	2.0	
Small Particles		DR-Ferr*		1.7	1.3	
Total Particles		DR-Ferr*	>	2.9	3.3	
Large Particles Percentage	%	DR-Ferr*		0	21.2	
Severity Index		DR-Ferr*		1	1	
FERROGRAPHY		method	limit/base	current	history1	history2
Ferrous Rubbing	Scale 0-10	ASTM D7684*		1	1	
Ferrous Sliding	Scale 0-10	ASTM D7684*				
Ferrous Cutting	Scale 0-10	ASTM D7684*				
Ferrous Rolling	Scale 0-10	ASTM D7684*		1	1	
Ferrous Break-in	Scale 0-10	ASTM D7684*				
Ferrous Spheres	Scale 0-10	ASTM D7684*				
Ferrous Black Oxides	Scale 0-10	ASTM D7684*		1		
Ferrous Red Oxides	Scale 0-10	ASTM D7684*				
Ferrous Corrosive	Scale 0-10	ASTM D7684*				
Ferrous Other	Scale 0-10	ASTM D7684*				
Nonferrous Rubbing	Scale 0-10	ASTM D7684*				
Nonferrous Sliding	Scale 0-10	ASTM D7684*				
Nonferrous Cutting	Scale 0-10	ASTM D7684*				
Nonferrous Rolling	Scale 0-10	ASTM D7684*				
Nonferrous Other	Scale 0-10	ASTM D7684*				
Carbonaceous Material	Scale 0-10	ASTM D7684*				
Lubricant Degradation	Scale 0-10	ASTM D7684*				
Sand/Dirt	Scale 0-10	ASTM D7684*		1	1	
Fibres	Scale 0-10	ASTM D7684*				
Spheres	Scale 0-10	ASTM D7684*				
Other	Scale 0-10	ASTM D7684*		1	1	

WEAR

All component wear rates are normal. The ferrography results are normal indicating no abnormal wear in the system.



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