

OIL ANALYSIS REPORT

(C-GHOA) [C-GHOA] AIRBUS H125 MA129987

Gearbox

NYCOLUBE 64 (0 LTR)

Sample Rating Trend



DIAGNOSIS

Recommendation

We recommend an early resample to monitor this condition. No other corrective action is recommended at this time.

Wear particle analysis indicates that the ferrous rubbing particles are marginal. All other component wear rates are normal.

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.

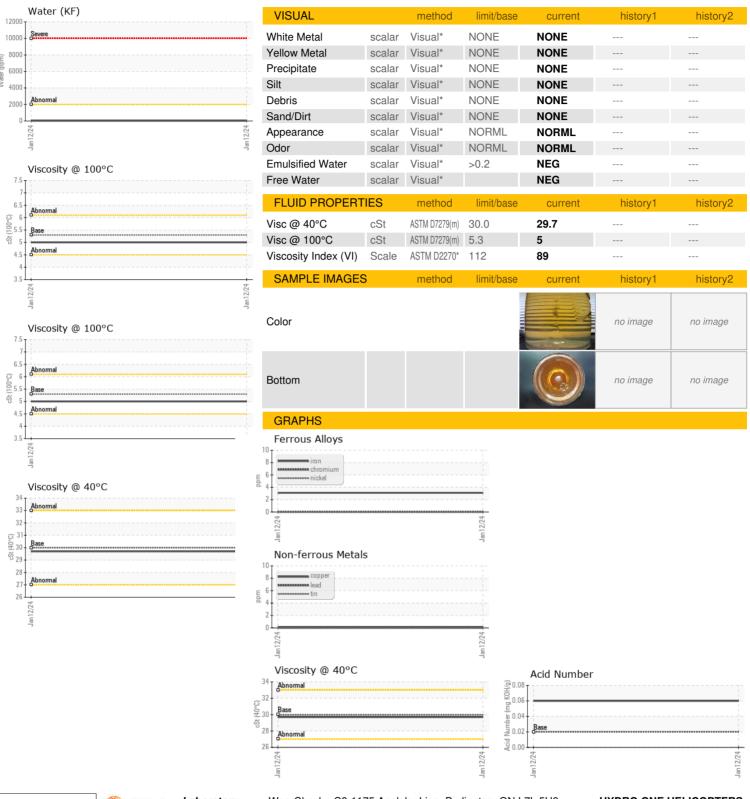
				Jan 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0863960		
Sample Date		Client Info		12 Jan 2024		
TSN	hrs	Client Info		30		
TSO	hrs	Client Info		0		
Oil Age	hrs	Client Info		30		
Oil Changed		Client Info		Not Changd		
Sample Status				MARGINAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>30	3		
Chromium	ppm	ASTM D5185(m)	>4	0		
Nickel	ppm	ASTM D5185(m)	>5	0		
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Iron	ppm	ASTM D5185(m)	>30	3		
Chromium	ppm	ASTM D5185(m)	>4	0		
Nickel	ppm	ASTM D5185(m)	>5	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>5	0		
Aluminum	ppm	ASTM D5185(m)	>8	<1		
Lead	ppm	ASTM D5185(m)	>10	0		
Copper	ppm	ASTM D5185(m)	>8	<1		
Tin	ppm	ASTM D5185(m)	>4	0		
Antimony	ppm	ASTM D5185(m)	>5	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	0		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)	0	0		

	PPIII	7101111 00100(111)		•		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)	0	0		
Magnesium	ppm	ASTM D5185(m)	0	<1		
Calcium	ppm	ASTM D5185(m)	0	<1		
Phosphorus	ppm	ASTM D5185(m)	0	4		
Zinc	ppm	ASTM D5185(m)	0	5		
Sulfur	ppm	ASTM D5185(m)	15000	14946		
Lithium	ppm	ASTM D5185(m)		<1		
	1-1-	()				
CONTAMINANTS		method	limit/base	current	history1	history2
CONTAMINANTS Silicon		()	limit/base >10		history1	history2
	3	method		current	,	
Silicon	ppm	method ASTM D5185(m)		current <1		
Silicon Sodium	ppm	method ASTM D5185(m) ASTM D5185(m)	>10	current <1 0		
Silicon Sodium Potassium	ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>10	current <1 0 <1		



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number**

: 02609314

: WC0863960

: 5710400 Test Package : AVI 3

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Recieved Diagnosed : 23 Jan 2024

: 17 Jan 2024 : Kevin Marson Diagnostician

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

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

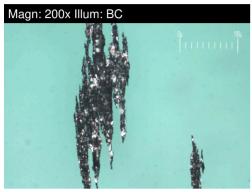


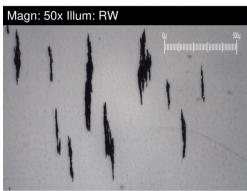
FERROGRAPHY REPORT

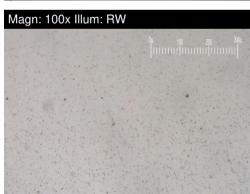
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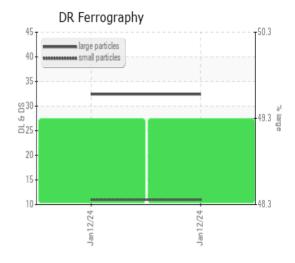




DR-FERROGRAP	HY	method	limit/base	current	history1	history2
Large Particles		DR-Ferr*		32.4		
Small Particles		DR-Ferr*		11.0		
Total Particles		DR-Ferr*	>	43.4		
Large Particles Percentage	%	DR-Ferr*		49.3		
Severity Index		DR-Ferr*		693		
FERROGRAPHY		method	limit/base	current	history1	history2
Ferrous Rubbing	Scale 0-10	ASTM D7684*		4		
Ferrous Sliding	Scale 0-10	ASTM D7684*				
Ferrous Cutting	Scale 0-10	ASTM D7684*				
Ferrous Rolling	Scale 0-10	ASTM D7684*		2		
Ferrous Break-in	Scale 0-10	ASTM D7684*				
Ferrous Spheres	Scale 0-10	ASTM D7684*				
Ferrous Black Oxides	Scale 0-10	ASTM D7684*				
Ferrous Red Oxides	Scale 0-10	ASTM D7684*				
Ferrous Corrosive	Scale 0-10	ASTM D7684*		1		
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		
Fibres	Scale 0-10	ASTM D7684*				
Spheres	Scale 0-10	ASTM D7684*				
Other	Scale 0-10	ASTM D7684*		1		

WEAR

Wear particle analysis indicates that the ferrous rubbing particles are marginal. All other component wear rates are normal.



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