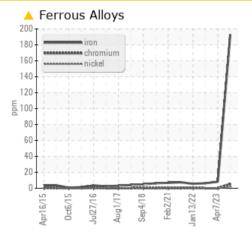
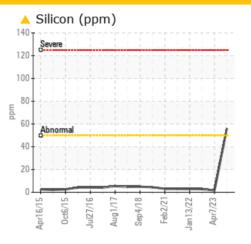


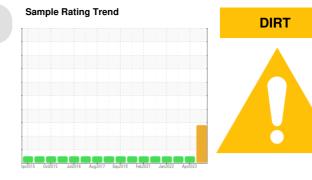
PROBLEM SUMMARY

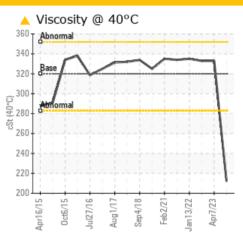
Area Machine Id HAPL 3.4 BRIDLE NO.3 W/ DEFLECTOR ROLL (S/N 16-1100-0415) Component Gearbox Fluid ISO 320 (--- QTS)

COMPONENT CONDITION SUMMARY









RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	NORMAL	NORMAL		
Iron	ppm	ASTM D5185m	>200	<u> </u>	8	6		
Silicon	ppm	ASTM D5185m	>50	6	2	3		
Visc @ 40°C	cSt	ASTM D445	320	<u> </u>	333	333		

Customer Id: OUTCALAL Sample No.: RP0035389 Lab Number: 05935558 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

07 Apr 2023 Diag: Wes Davis



Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

15 Jul 2022 Diag: Wes Davis



Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







view report



OIL ANALYSIS REPORT

HAPL Machine Id HAPL 3.4 BRIDLE NO.3 W/ DEFLECTOR ROLL (S/N 16-1100-0415) Component Gearbox

Fluid ISO 320 (--- QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

📥 Wear

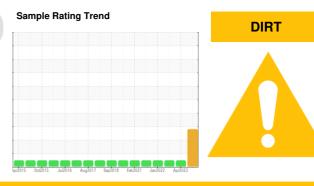
The iron level is marginal. All other component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal.

Fluid Condition

Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0035389	RP0034534	RP0028816
Sample Date		Client Info		24 Aug 2023	07 Apr 2023	15 Jul 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		116	12	20
Iron	ppm	ASTM D5185m	>200	<u> </u>	8	6
Chromium	ppm	ASTM D5185m	>15	5	0	0
Nickel	ppm	ASTM D5185m	>15	2	0	<1
Titanium	ppm	ASTM D5185m		1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	9	0	<1
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	<1
Tin	ppm	ASTM D5185m	>25	0	0	<1
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8	7	6
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		2	0	0
Magnesium	ppm	ASTM D5185m		4	0	0
Calcium	ppm	ASTM D5185m		9	30	19
Phosphorus	ppm	ASTM D5185m		173	100	81
Zinc	ppm	ASTM D5185m		13	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<mark>▲</mark> 56	2	3
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	1	4	<1
Water	%	ASTM D6304	>0.2	0.003	0.006	0.024
ppm Water	ppm	ASTM D6304	>2000	26.3	62.7	246.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.48	0.28	0.35



220

200

0.70

0.60 (B/H0) 0.50

Ê 0.40

흍 0.30

0.20 Acid 1

0.10 0.00

1.2

0.96

_늘0.72

2²048

0.24 Al

0.0

F

Anr16/1

nr16/

OIL ANALYSIS REPORT

