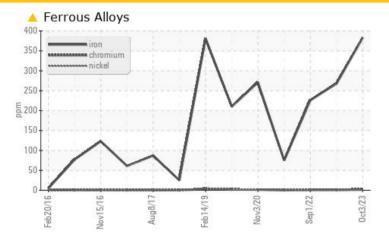
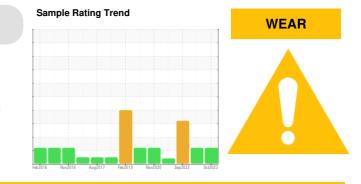


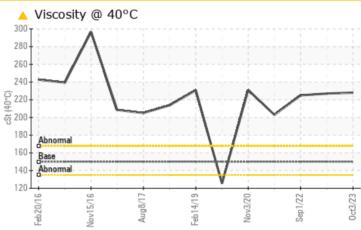
PROBLEM SUMMARY

Area STL64.1 STL 64.1 SCRAP CHOPPER M/S (S/N 16-5130-0235) Component Gearbox Fluid GEAR OIL ISO 150 (--- QTS)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

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

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL		
Iron	ppm	ASTM D5185m	>200	<u> </u>	<u> </u>	2 26		
Visc @ 40°C	cSt	ASTM D445	150	<u> </u>	A 227	A 225		

Customer Id: OUTCALAL Sample No.: RP0038612 Lab Number: 05969036 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 <u>jhester@wearcheckusa.com</u>

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

RECOMMENDED AC	TIONS			
Action	Status	Date	Done By	Description
Resample			?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



25 Apr 2023 Diag: Don Baldridge

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.Gear wear is indicated. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.



view report

01 Sep 2022 Diag: Angela Borella

We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor. The iron level is abnormal. Gear wear is indicated. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



09 Mar 2022 Diag: Doug Bogart

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.





OIL ANALYSIS REPORT

STL64.1 STL 64.1 SCRAP CHOPPER M/S (S/N 16-5130-0235)

Gearbox

Fluid GEAR OIL ISO 150 (--- QTS)

DIAGNOSIS

Recommendation

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

🔺 Wear

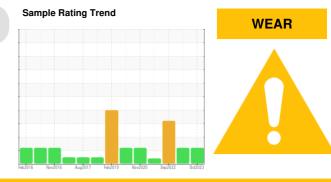
Gear wear is indicated.

Contamination

There is no indication of any contamination in the oil.

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.



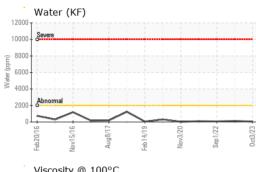
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0038612	RP0031253	RP0029670
Sample Date		Client Info		03 Oct 2023	25 Apr 2023	01 Sep 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		283	185	A 778
Iron	ppm	ASTM D5185m	>200	<u> </u>	<u> </u>	A 226
Chromium	ppm	ASTM D5185m	>15	2	1	1
Nickel	ppm	ASTM D5185m	>15	<1	0	0
Titanium	ppm	ASTM D5185m		3	2	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	6	5	4
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	1	<1	1
Tin	ppm	ASTM D5185m	>25	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	0	0	2
Barium	ppm	ASTM D5185m	15	0	0	3
Molybdenum	ppm	ASTM D5185m	15	<1	<1	<1
Manganese	ppm	ASTM D5185m		3	2	2
Magnesium	ppm	ASTM D5185m	50	3	7	3
Calcium	ppm	ASTM D5185m	50	8	12	7
Phosphorus	ppm	ASTM D5185m	350	108	106	289
Zinc	ppm	ASTM D5185m	100	0	10	15
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	20	17	11
Sodium	ppm	ASTM D5185m		4	<1	0
Potassium	ppm	ASTM D5185m	>20	2	2	2
Water	%	ASTM D6304	>0.2	0.003	0.013	0.006
ppm Water	ppm	ASTM D6304	>2000	38.1	130.5	67.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

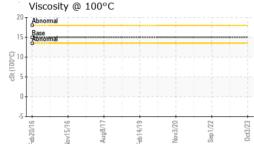


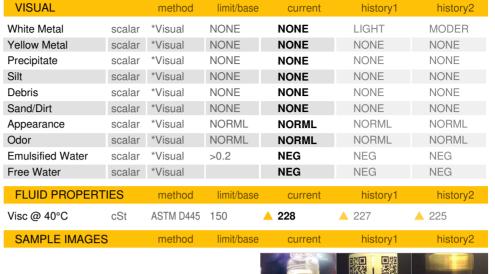
Acid Number

1 60 -Abnorma

OIL ANALYSIS REPORT











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