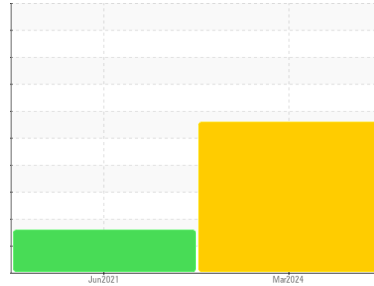




OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
29585 #5
 Component
Gearbox
 Fluid
GEAR OIL ISO 150 (--- GAL)

DIAGNOSIS

▲ Recommendation

Check seals and/or filters for points of contaminant entry. We recommend that you drain the oil from the component if this has not already been done. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL ISO 150. Please confirm.

● Wear

Antimony ppm levels are noted. All other component wear rates are normal.

▲ Contamination

Lithium (Li) level marginal at 8ppm., indicates possible grease contamination. High concentration of dirt present in the oil.

▲ Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0819618	WC0577655	---
Sample Date	Client Info		06 Mar 2024	01 Jun 2021	---
Machine Age	hrs	Client Info	0	4542	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Not Chngd	N/A	---
Sample Status			SEVERE	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>200	18	4	---
Chromium	ppm	ASTM D5185(m)	>15	0	0	---
Nickel	ppm	ASTM D5185(m)	>15	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	4	<1	---
Lead	ppm	ASTM D5185(m)	>100	<1	<1	---
Copper	ppm	ASTM D5185(m)	>200	4	1	---
Tin	ppm	ASTM D5185(m)	>25	0	0	---
Antimony	ppm	ASTM D5185(m)	>5	6	2	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES

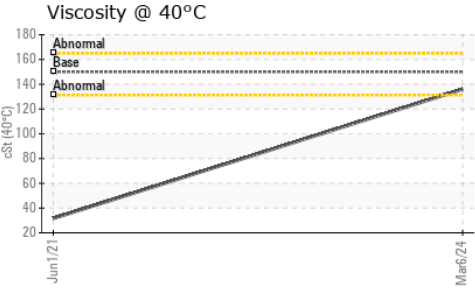
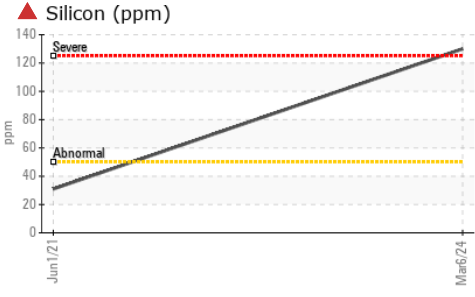
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	50	27	2	---
Barium	ppm	ASTM D5185(m)	15	2	<1	---
Molybdenum	ppm	ASTM D5185(m)	15	0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)	50	88	40	---
Calcium	ppm	ASTM D5185(m)	50	52	66	---
Phosphorus	ppm	ASTM D5185(m)	350	450	221	---
Zinc	ppm	ASTM D5185(m)	100	51	286	---
Sulfur	ppm	ASTM D5185(m)	12500	5345	2799	---
Lithium	ppm	ASTM D5185(m)		8	3	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>50	130	31	---
Sodium	ppm	ASTM D5185(m)		2	<1	---
Potassium	ppm	ASTM D5185(m)	>20	2	<1	---



OIL ANALYSIS REPORT



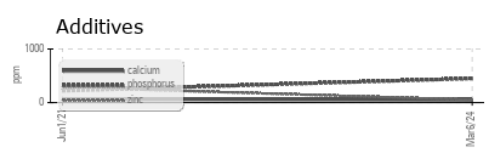
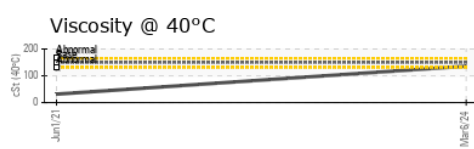
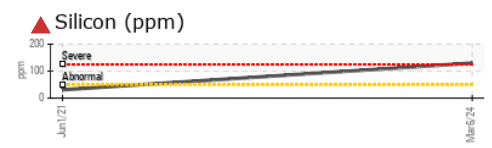
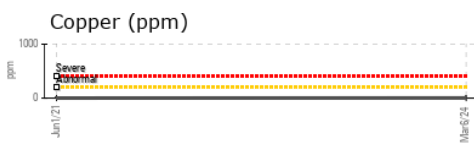
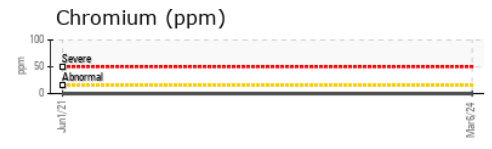
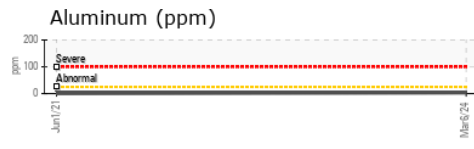
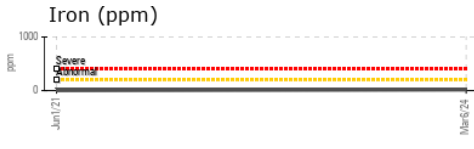
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	VLITE
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	.2%
Free Water	scalar	Visual*		NEG	▲.2%

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	150	136	31.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			no image
Bottom			no image
PrtFilter			no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0819618 **Received** : 14 Mar 2024
Lab Number : **02622071** **Tested** : 15 Mar 2024
Unique Number : 5747190 **Diagnosed** : 17 Mar 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: BottomAnalysis, FILTERPATCH)

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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.