

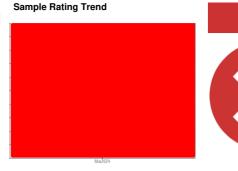
**OIL ANALYSIS REPORT** 

Machine Id Or1984

Component

**Right Planetary** 

**GEAR OIL SAE 90W14** 





**DIAGNOSIS** 

### Recommendation

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. 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 SAE 90W140. Please confirm.

#### Wear

Copper and tin ppm levels are severe. Aluminum, lead and antimony ppm levels are abnormal. Thrust washer and/or bearing/bushing wear is indicated.

#### Contamination

There is a moderate concentration of dirt present in the oil. High amount of ingressed dirt has caused abrasive wear to the component.

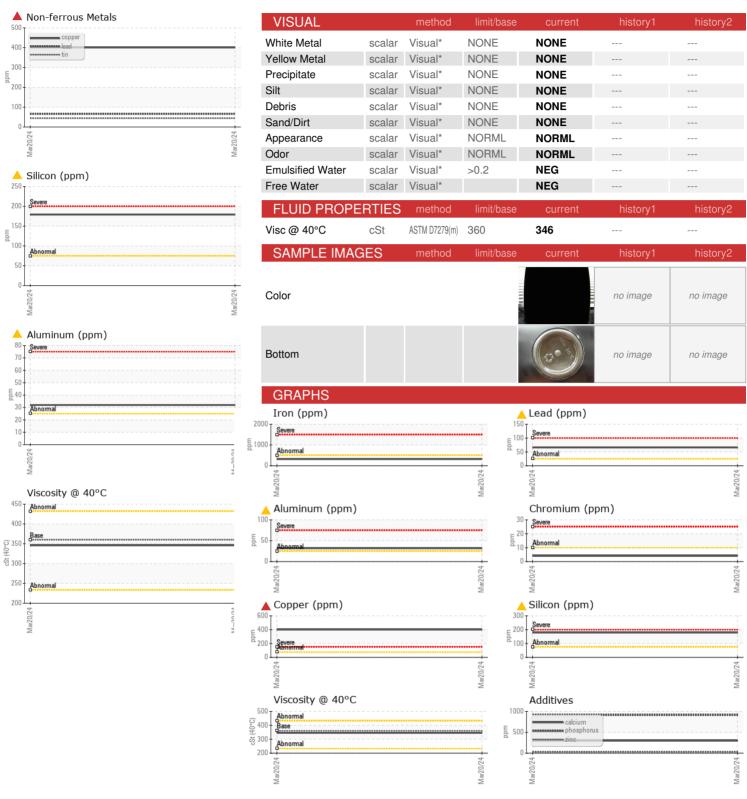
## **Fluid Condition**

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

0 (8 LTR)				Mar2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0113300		
Sample Date		Client Info		20 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	321		
Chromium	ppm	ASTM D5185(m)	>10	4		
Nickel	ppm	ASTM D5185(m)	>10	0		
Titanium	ppm	ASTM D5185(m)		<1		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	<b>A</b> 32		
Lead	ppm	ASTM D5185(m)	>25	<b>^</b> 66		
Copper	ppm	ASTM D5185(m)	>75	<b>4</b> 01		
Tin	ppm	ASTM D5185(m)	>10	<b>4</b> 4		
Antimony	ppm	ASTM D5185(m)	>5	<u> </u>		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	400	118		
Barium	ppm	ASTM D5185(m)	200	<1		
Molybdenum	ppm	ASTM D5185(m)	12	0		
Manganese	ppm	ASTM D5185(m)		5		
Magnesium	ppm	ASTM D5185(m)	12	12		
Calcium	ppm	ASTM D5185(m)	150	299		
Phosphorus	ppm	ASTM D5185(m)	1650	916		
Zinc	ppm	ASTM D5185(m)	125	31		
Sulfur	ppm	ASTM D5185(m)	22500	15184		
Lithium	ppm	ASTM D5185(m)		4		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	<b>179</b>		
Sodium	ppm	ASTM D5185(m)		4		
Potassium	ppm	ASTM D5185(m)	>20	4		



# **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Report Id: GFL720 [WCAMIS] 02623790 (Generated: 03/21/2024 16:35:04) Rev: 1

Laboratory Sample No.

: GFL0113300 Lab Number

: 02623790 Unique Number : 5748909 Test Package : MOB 1

Received **Tested** 

: 21 Mar 2024 Diagnosed

: 21 Mar 2024

: 21 Mar 2024 - Kevin Marson

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill 17125 Lafleche Road, Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron cbergeron@gflenv.com

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.

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