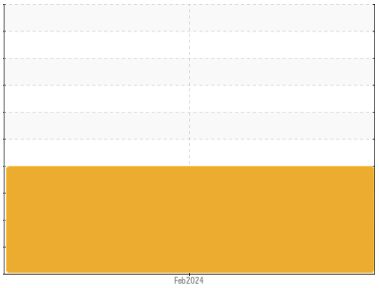
OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Machine Id
OR352
Component
Front Left Planetary
Fluid
{not provided} (13 LTR)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. 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 SAE 80W140 Gear Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is a high concentration of water present in the oil.

Fluid Condition

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

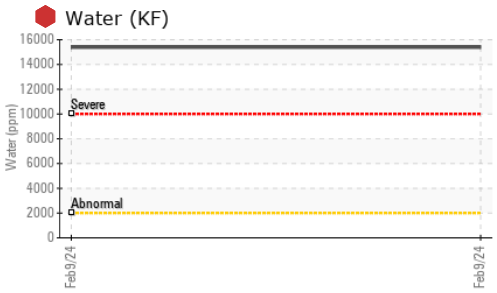
SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		**GFL0092320**	---	---
Sample Date	Client Info		**09 Feb 2024**	---	---
Machine Age hrs	Client Info		**14854**	---	---
Oil Age hrs	Client Info		**14854**	---	---
Oil Changed	Client Info		**Not Changd**	---	---
Sample Status			**SEVERE**	---	---

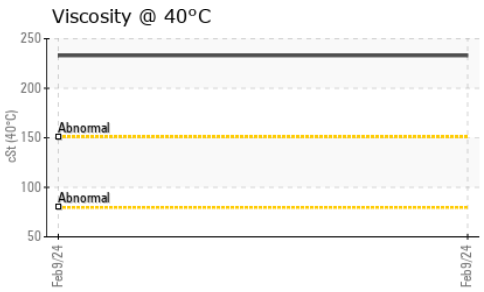
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	**182**	---	---
Chromium	ppm	ASTM D5185(m)	>10	**2**	---	---
Nickel	ppm	ASTM D5185(m)	>10	**<1**	---	---
Titanium	ppm	ASTM D5185(m)		**0**	---	---
Silver	ppm	ASTM D5185(m)		**0**	---	---
Aluminum	ppm	ASTM D5185(m)	>25	**2**	---	---
Lead	ppm	ASTM D5185(m)	>25	**1**	---	---
Copper	ppm	ASTM D5185(m)	>75	**40**	---	---
Tin	ppm	ASTM D5185(m)	>10	**1**	---	---
Antimony	ppm	ASTM D5185(m)	>5	**0**	---	---
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)		**128**	---	---
Barium	ppm	ASTM D5185(m)		**0**	---	---
Molybdenum	ppm	ASTM D5185(m)		**<1**	---	---
Manganese	ppm	ASTM D5185(m)		**3**	---	---
Magnesium	ppm	ASTM D5185(m)		**7**	---	---
Calcium	ppm	ASTM D5185(m)		**28**	---	---
Phosphorus	ppm	ASTM D5185(m)		**980**	---	---
Zinc	ppm	ASTM D5185(m)		**24**	---	---
Sulfur	ppm	ASTM D5185(m)		**17086**	---	---
Lithium	ppm	ASTM D5185(m)		**<1**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	**6**	---	---
Sodium	ppm	ASTM D5185(m)		**11**	---	---
Potassium	ppm	ASTM D5185(m)	>20	**8**	---	---
Water	%	ASTM D6304*	>0.2	**1.539**	---	---
ppm Water	ppm	ASTM D6304*	>2000	**15393**	---	---

OIL ANALYSIS REPORT



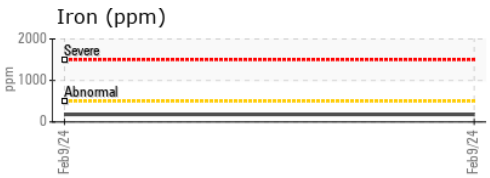


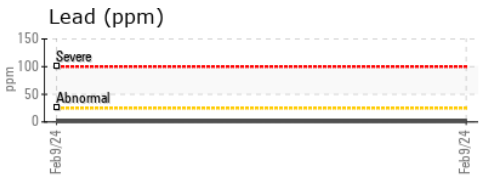
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	---	---
Yellow Metal	scalar	Visual*	NONE	**NONE**	---	---
Precipitate	scalar	Visual*	NONE	**VLITE**	---	---
Silt	scalar	Visual*	NONE	**NONE**	---	---
Debris	scalar	Visual*	NONE	**NONE**	---	---
Sand/Dirt	scalar	Visual*	NONE	**NONE**	---	---
Appearance	scalar	Visual*	NORML	▲ **HAZY**	---	---
Odor	scalar	Visual*	NORML	**NORML**	---	---
Emulsified Water	scalar	Visual*	>0.2	▲ **.5%**	---	---
Free Water	scalar	Visual*		**NEG**	---	---

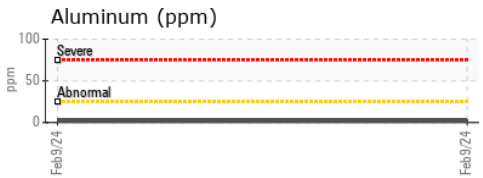
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		**233**	---	---

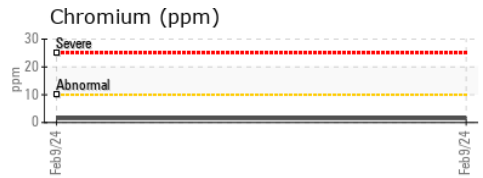
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

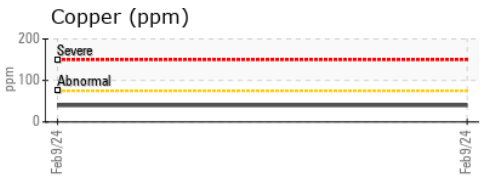
GRAPHS

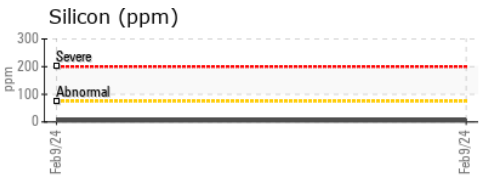


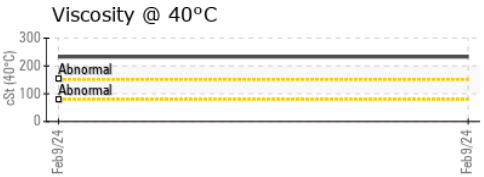












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0092320
Lab Number : 02615454
Unique Number : 5724549
Test Package : MOB 1 (Additional Tests: KF)

Received : 13 Feb 2024
Tested : 15 Feb 2024
Diagnosed : 15 Feb 2024 - Kevin Marson

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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