



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
WL0415
 Component
Front Left Wheel Hub
 Fluid
GEAR OIL SAE 90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 90. Please confirm.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0088319	---	---
Sample Date	Client Info		12 Jul 2023	---	---
Machine Age	kms	Client Info	5138	---	---
Oil Age	kms	Client Info	1000	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	216	---
Chromium	ppm	ASTM D5185(m)	>8	2	---
Nickel	ppm	ASTM D5185(m)	>5	0	---
Titanium	ppm	ASTM D5185(m)		<1	---
Silver	ppm	ASTM D5185(m)		0	---
Aluminum	ppm	ASTM D5185(m)	>5	2	---
Lead	ppm	ASTM D5185(m)	>5	0	---
Copper	ppm	ASTM D5185(m)	>50	<1	---
Tin	ppm	ASTM D5185(m)		0	---
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)	400	83	---
Barium	ppm	ASTM D5185(m)	200	2	---
Molybdenum	ppm	ASTM D5185(m)	12	0	---
Manganese	ppm	ASTM D5185(m)		2	---
Magnesium	ppm	ASTM D5185(m)	12	1	---
Calcium	ppm	ASTM D5185(m)	150	67	---
Phosphorus	ppm	ASTM D5185(m)	1650	1195	---
Zinc	ppm	ASTM D5185(m)	125	62	---
Sulfur	ppm	ASTM D5185(m)	22500	26933	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

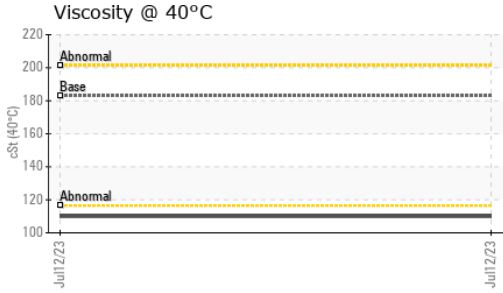
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	12	---
Sodium	ppm	ASTM D5185(m)		2	---
Potassium	ppm	ASTM D5185(m)	>20	1	---

VISUAL

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



OIL ANALYSIS REPORT

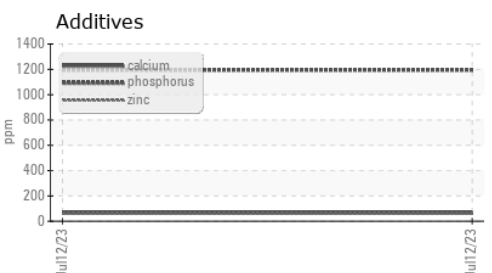
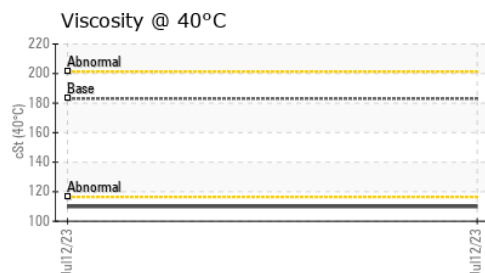
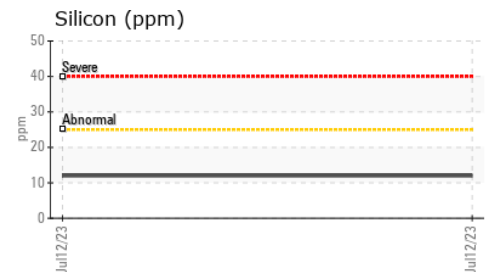
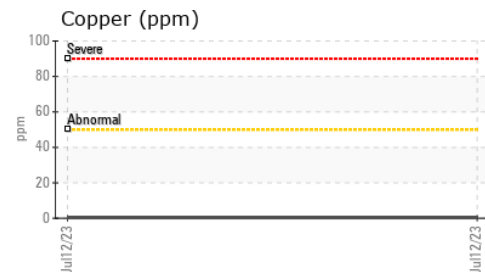
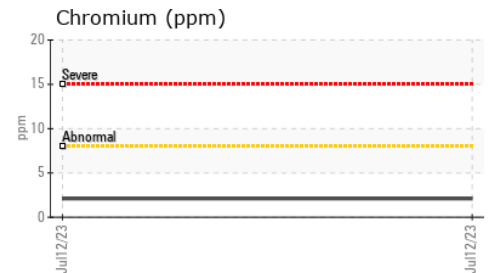
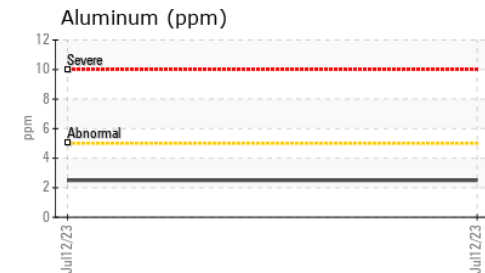
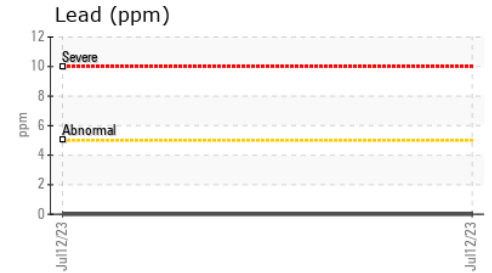
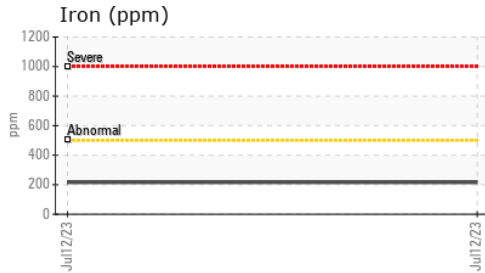


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	183	110	---	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0088319 **Received** : 14 Aug 2023
Lab Number : **02575761** **Diagnosed** : 14 Aug 2023
Unique Number : 5620812 **Diagnostician** : Kevin Marson
Test Package : MOB 1

GFL Environmental - Boylston
 151 Waste Management Road Hiwy 16
 Boylston, NS
 CA B0H 1G0
 Contact: Bruce Avery
 bruce.avery@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.

T:
F: