



Machine Id
301139
 Component
Gasoline Engine
 Fluid
SAE 5W20 (--- GAL)

RECOMMENDATION

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

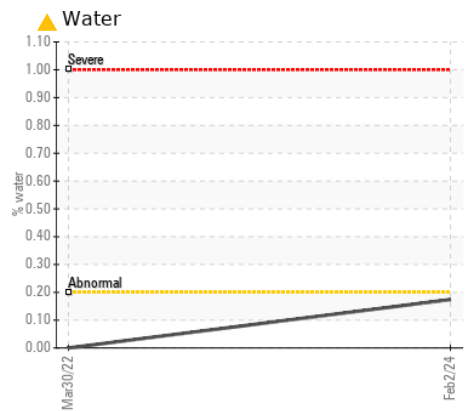
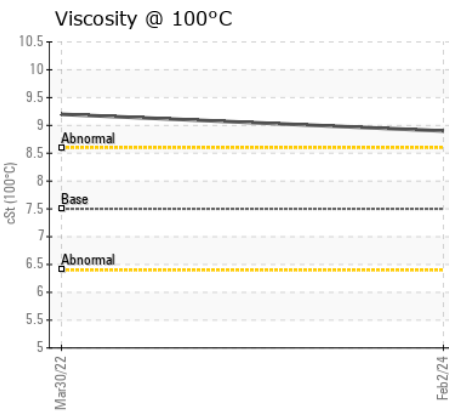
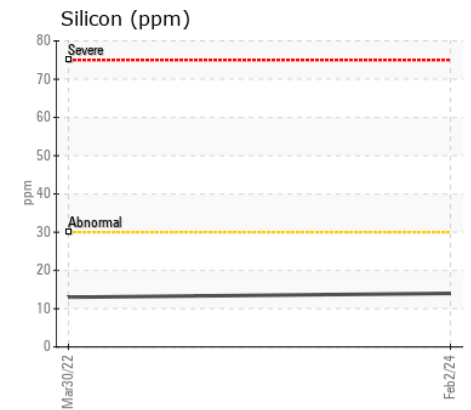
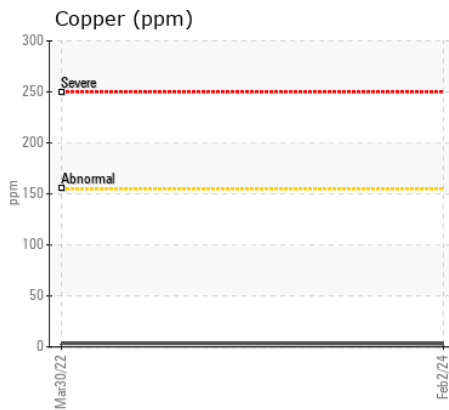
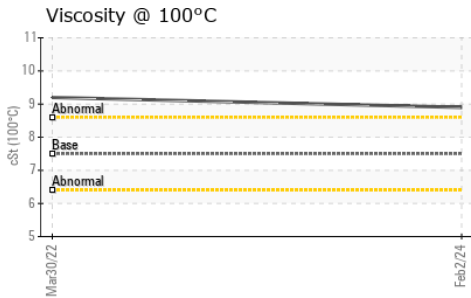
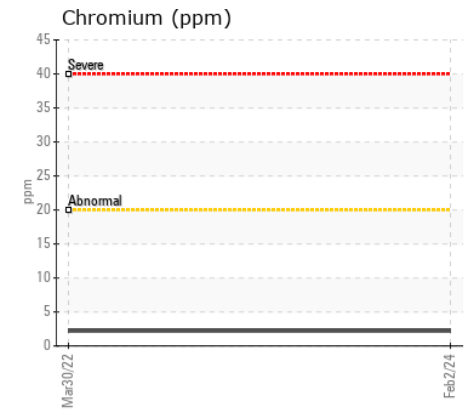
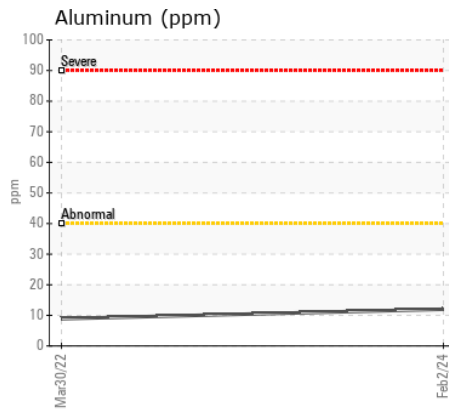
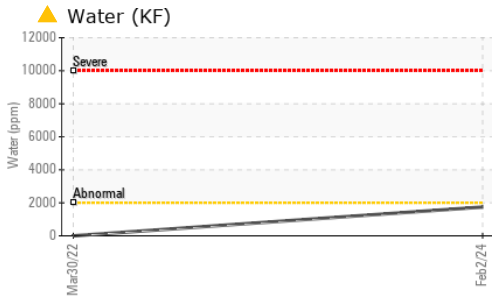
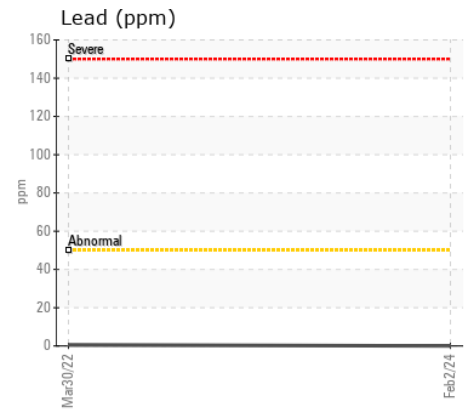
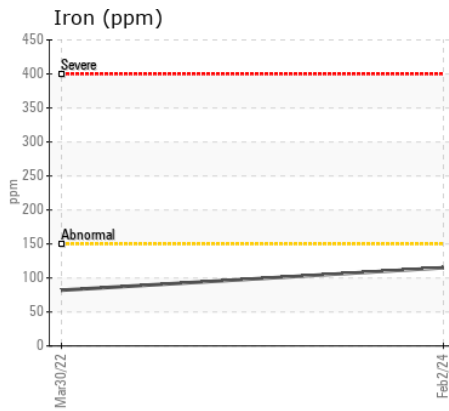
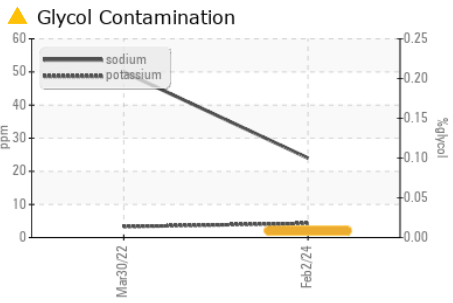
CONTAMINATION

Test for glycol is positive. There is a light concentration of glycol present in the oil. There is a trace of moisture present in the oil.

FLUID CONDITION

The condition of the oil is acceptable for the time in service. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0097961	GFL0024602	---
Sample Date		Client Info		02 Feb 2024	30 Mar 2022	---
Machine Age	kms	Client Info		215459	188260	---
Oil Age	kms	Client Info		10214	0	---
Filter Age	kms	Client Info		10214	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ATTENTION	NORMAL	---
<hr/>						
Iron	ppm	ASTM D5185(m)	>150	115	82	---
Chromium	ppm	ASTM D5185(m)	>20	2	2	---
Nickel	ppm	ASTM D5185(m)	>5	2	2	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>2	0	0	---
Aluminum	ppm	ASTM D5185(m)	>40	12	9	---
Lead	ppm	ASTM D5185(m)	>50	0	<1	---
Copper	ppm	ASTM D5185(m)	>155	3	4	---
Tin	ppm	ASTM D5185(m)	>10	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	<1	---
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Silicon	ppm	ASTM D5185(m)	>30	14	13	---
Potassium	ppm	ASTM D5185(m)	>20	4	3	---
Fuel		WC Method	>4.0	<1.0	<1.0	---
Water	%	ASTM D6304*	>0.2	▲ 0.174	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 1744	---	---
Glycol	%	ASTM D7922*		▲ 0.014	NEG	---
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	21.6	22.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	41.7	49.9	---
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	NEG	---
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Sodium	ppm	ASTM D5185(m)		▲ 24	50	---
Boron	ppm	ASTM D5185(m)		28	35	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		200	57	---
Manganese	ppm	ASTM D5185(m)		19	24	---
Magnesium	ppm	ASTM D5185(m)		406	548	---
Calcium	ppm	ASTM D5185(m)		1122	1148	---
Phosphorus	ppm	ASTM D5185(m)		602	729	---
Zinc	ppm	ASTM D5185(m)		656	785	---
Sulfur	ppm	ASTM D5185(m)		1922	2518	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	43.8	46.0	---
Visc @ 100°C	cSt	ASTM D7279(m)	7.5	8.9	9.2	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0097961 **Received** : 15 Feb 2024
Lab Number : 02615923 **Tested** : 16 Feb 2024
Unique Number : 5733033 **Diagnosed** : 20 Feb 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol, KF)

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 F:

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.