

Machine Id
428093
Component
Transmission (Manual)
Fluid
50 WT SYNTHETIC (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0044432	GFL0089852	---
Sample Date		Client Info		21 Mar 2024	20 Mar 2024	---
Machine Age	hrs	Client Info		9857	9857	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Not Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	157	59	---
Chromium	ppm	ASTM D5185(m)	>5	2	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	---
Titanium	ppm	ASTM D5185(m)		<1	<1	---
Silver	ppm	ASTM D5185(m)	>7	0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	4	6	---
Lead	ppm	ASTM D5185(m)	>45	<1	0	---
Copper	ppm	ASTM D5185(m)	>225	28	1	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	VLITE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

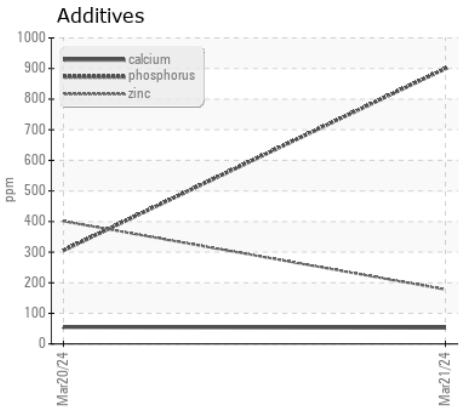
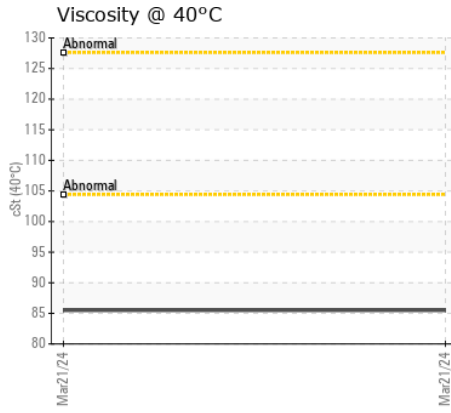
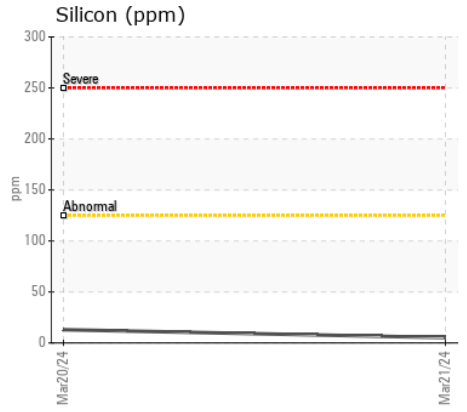
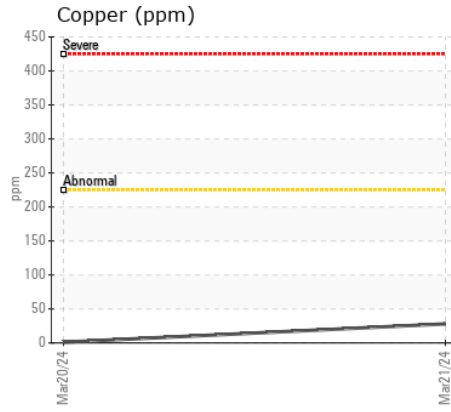
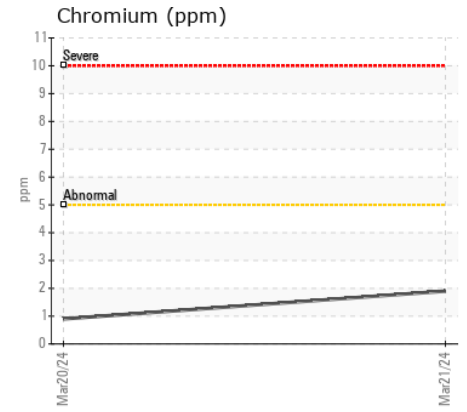
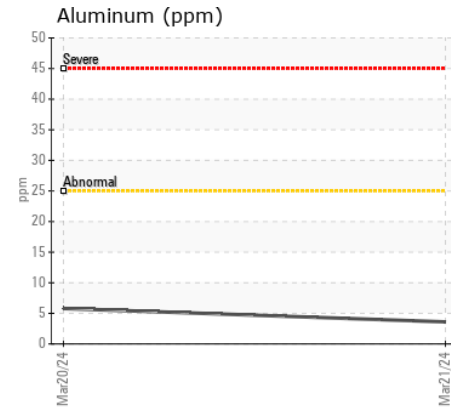
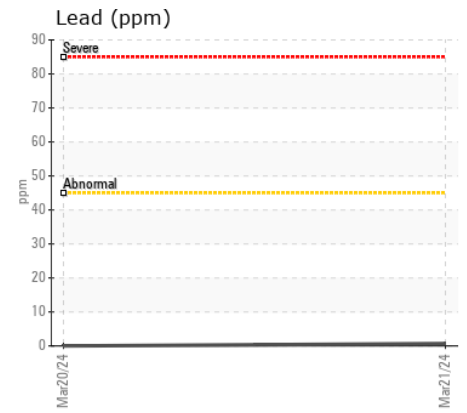
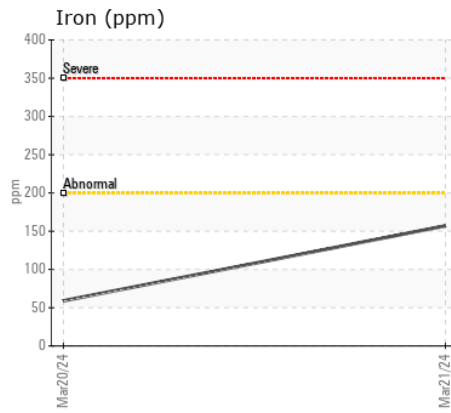
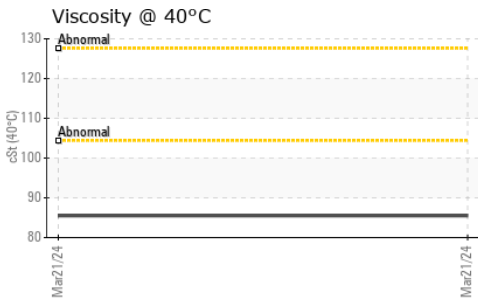
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>125	5	13	---
Potassium	ppm	ASTM D5185(m)	>20	10	2	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	LIGHT	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		29	5	---
Boron	ppm	ASTM D5185(m)		185	<1	---
Barium	ppm	ASTM D5185(m)		23	<1	---
Molybdenum	ppm	ASTM D5185(m)		<1	0	---
Manganese	ppm	ASTM D5185(m)		25	<1	---
Magnesium	ppm	ASTM D5185(m)		16	5	---
Calcium	ppm	ASTM D5185(m)		53	55	---
Phosphorus	ppm	ASTM D5185(m)		900	306	---
Zinc	ppm	ASTM D5185(m)		178	401	---
Sulfur	ppm	ASTM D5185(m)		481	1071	---
Visc @ 40°C	cSt	ASTM D7279(m)		85.5	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0044432
Lab Number : 02644932
Unique Number : 5802471
Test Package : MOB 1

GFL Environmental DO NOT USE_USE GFL582
 4624 Cumberland Road
 Cumberland, BC
 CA V0R 1S0
 Contact: Kyle Fallowfield
 kfallowfield@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: