

Machine Id
OE192
Component
Right Final Drive
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

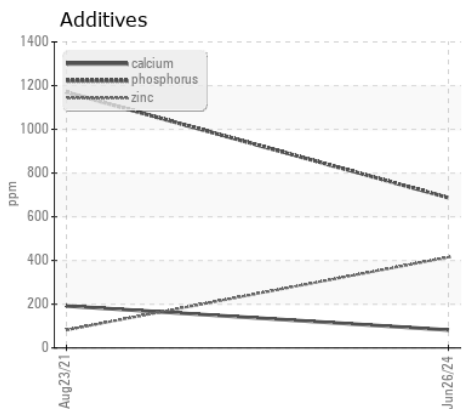
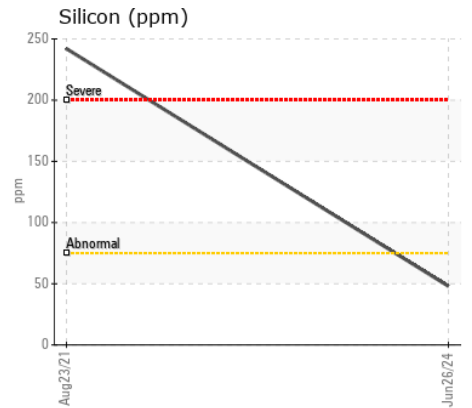
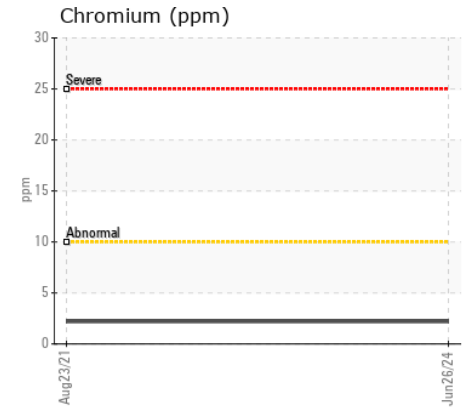
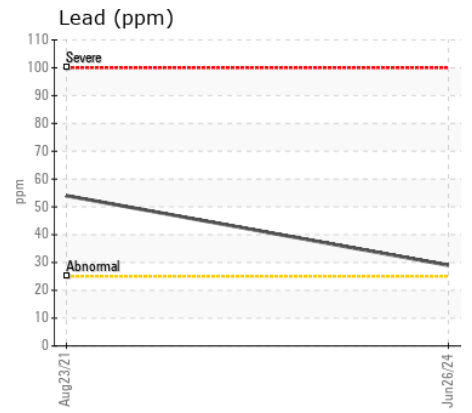
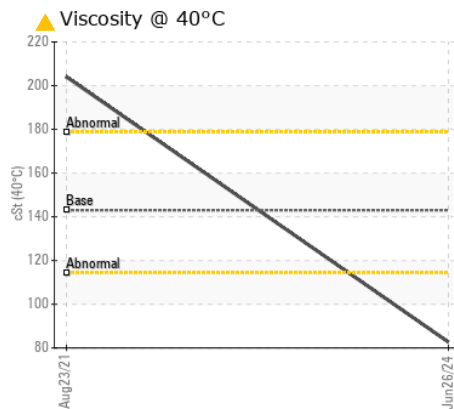
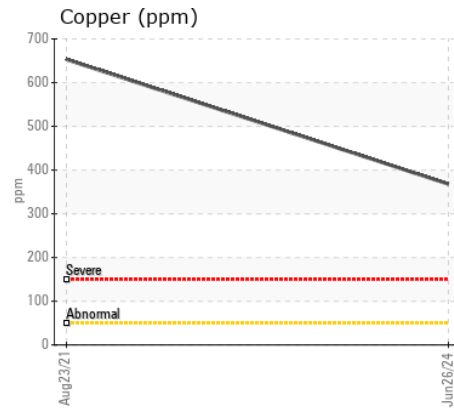
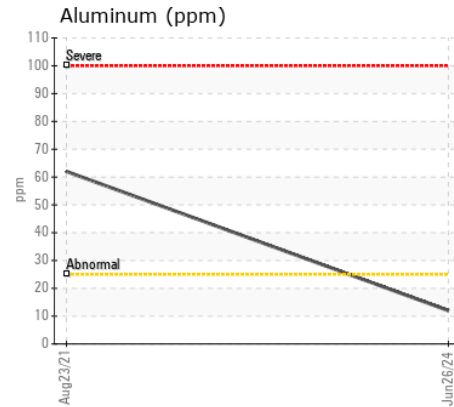
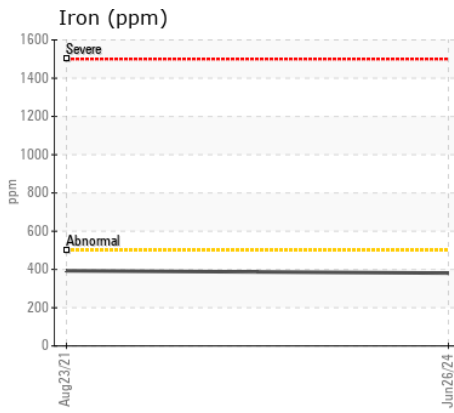
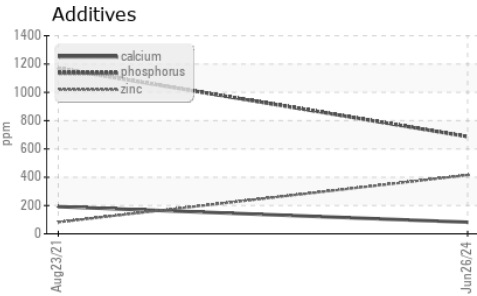
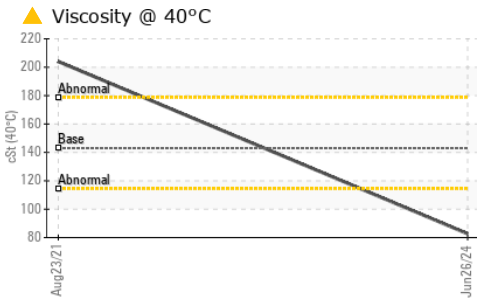
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0124531	GFL0030465	---
Sample Date		Client Info		26 Jun 2024	23 Aug 2021	---
Machine Age	hrs	Client Info		1659	599	---
Oil Age	hrs	Client Info		300	500	---
Filter Age	hrs	Client Info		300	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185(m)	>500	381	393	---
Chromium	ppm	ASTM D5185(m)	>10	2	2	---
Nickel	ppm	ASTM D5185(m)	>10	2	4	---
Titanium	ppm	ASTM D5185(m)		1	5	---
Silver	ppm	ASTM D5185(m)		0	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	12	62	---
Lead	ppm	ASTM D5185(m)	>25	29	54	---
Copper	ppm	ASTM D5185(m)	>50	368	653	---
Tin	ppm	ASTM D5185(m)	>10	13	51	---
Vanadium	ppm	ASTM D5185(m)		0	<1	---
White Metal	scalar	Visual*	NONE	VLITE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185(m)	>75	48	242	---
Potassium	ppm	ASTM D5185(m)	>20	13	54	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	VLITE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	▲ .2%	---
Sodium	ppm	ASTM D5185(m)	>170	6	22	---
Boron	ppm	ASTM D5185(m)	400	53	127	---
Barium	ppm	ASTM D5185(m)	200	<1	1	---
Molybdenum	ppm	ASTM D5185(m)	12	0	<1	---
Manganese	ppm	ASTM D5185(m)		3	4	---
Magnesium	ppm	ASTM D5185(m)	12	6	24	---
Calcium	ppm	ASTM D5185(m)	150	82	192	---
Phosphorus	ppm	ASTM D5185(m)	1650	687	1170	---
Zinc	ppm	ASTM D5185(m)	125	415	82	---
Sulfur	ppm	ASTM D5185(m)	22500	7199	21717	---
Visc @ 40°C	cSt	ASTM D7279(m)	143	▲ 82.7	204	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0124531
Lab Number : 02644943
Unique Number : 5802482
Test Package : MOB 1
Received : 02 Jul 2024
Tested : 02 Jul 2024
Diagnosed : 03 Jul 2024 - Kevin Marson

GFL Environmental - 720 - Lafleche - Landfill
 17125 Lafleche Road,
 Moose Creek, ON
 CA K0C 1W0
 Contact: Charles Bergeron
 cbergeron@gflenv.com
 T: (613)538-4853
 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.