



Machine Id
427159
 Component
1 Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: 1st Axle / Pusher)

WEAR

All component wear rates are normal.

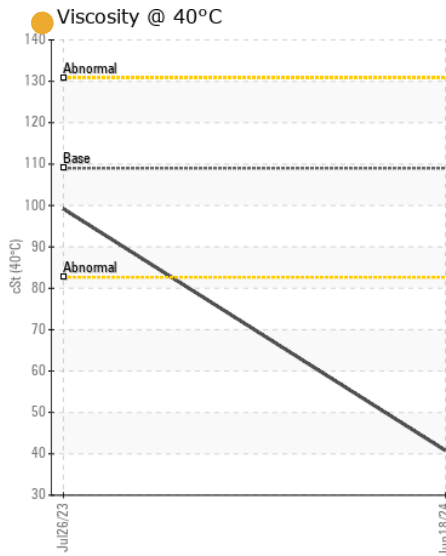
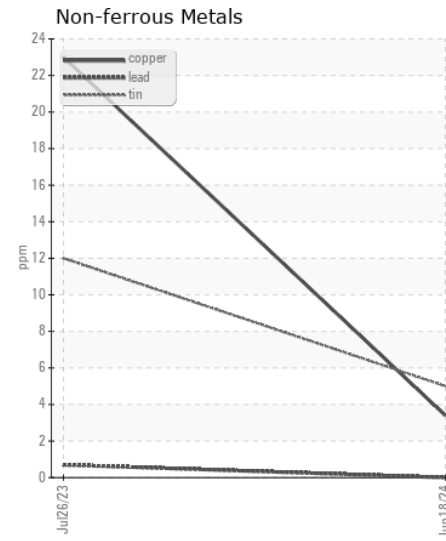
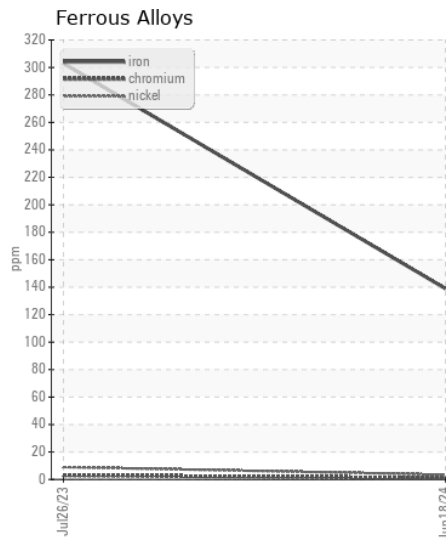
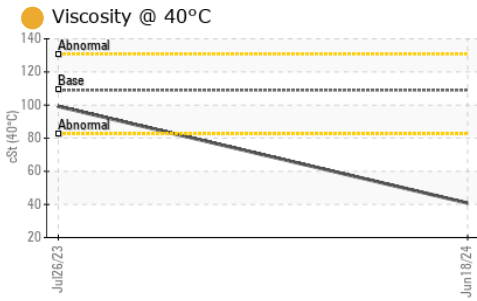
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0123534	GFL0089431	---
Sample Date		Client Info		18 Jun 2024	26 Jul 2023	---
Machine Age	mls	Client Info		327652	293964	---
Oil Age	mls	Client Info		327652	293964	---
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				ATTENTION	ABNORMAL	---
Iron	ppm	ASTM D5185m	>500	139	303	---
Chromium	ppm	ASTM D5185m	>10	1	3	---
Nickel	ppm	ASTM D5185m	>10	3	9	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	3	9	---
Lead	ppm	ASTM D5185m	>25	0	<1	---
Copper	ppm	ASTM D5185m	>100	3	23	---
Tin	ppm	ASTM D5185m	>10	5	12	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	43	▲ 137	---
Potassium	ppm	ASTM D5185m	>20	3	6	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
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	>.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m		3	7	---
Boron	ppm	ASTM D5185m	400	38	247	---
Barium	ppm	ASTM D5185m	200	0	0	---
Molybdenum	ppm	ASTM D5185m	12	0	0	---
Manganese	ppm	ASTM D5185m		3	9	---
Magnesium	ppm	ASTM D5185m	12	<1	2	---
Calcium	ppm	ASTM D5185m	150	9	40	---
Phosphorus	ppm	ASTM D5185m	1650	583	1398	---
Zinc	ppm	ASTM D5185m	125	24	27	---
Sulfur	ppm	ASTM D5185m	22500	21433	27339	---
Visc @ 40°C	cSt	ASTM D445	109	40.8	99.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0123534
Lab Number : 06217182
Unique Number : 11090046
Test Package : FLEET

Received : 21 Jun 2024
Tested : 24 Jun 2024
Diagnosed : 24 Jun 2024 - Don Baldrige

GFL Environmental - 983 - Sugar Land Hauling
 16011 West Belfort Street
 Sugar Land, TX
 US 77498
 Contact: TECHNICIAN ACCOUNT
 wcgfldemo@gmail.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: