



Machine Id
427180
 Component
1 Differential
 Fluid
GEAR OIL SAE 80 (--- 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 Acle / Tag)

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

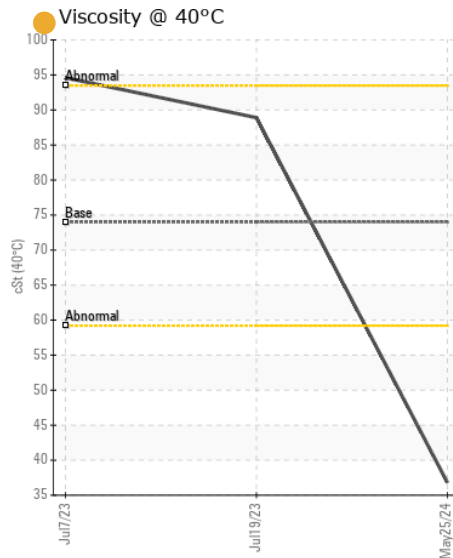
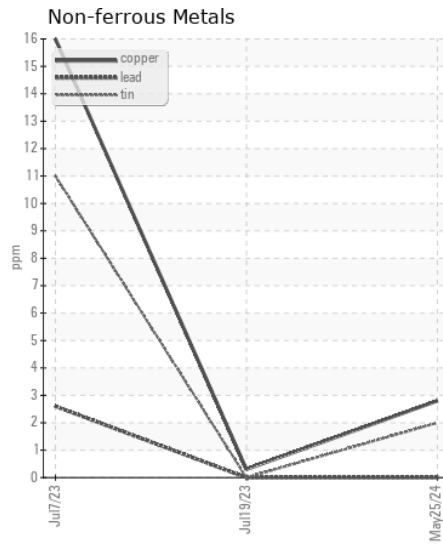
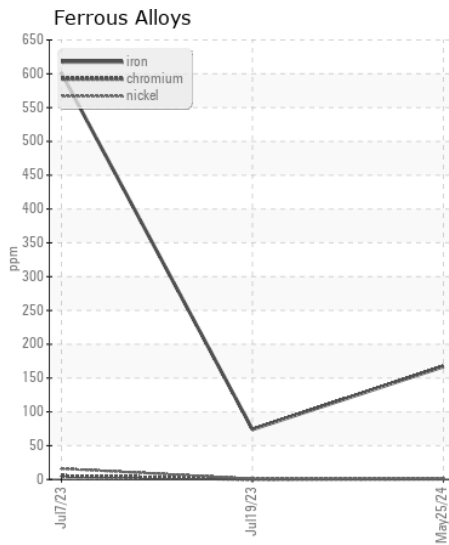
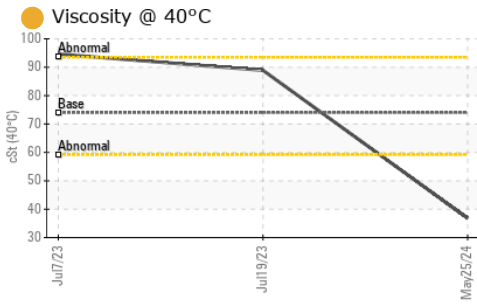
The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0123565	GFL0089410	GFL0085469
Sample Date		Client Info		25 May 2024	19 Jul 2023	07 Jul 2023
Machine Age	mls	Client Info		372186	340822	339095
Oil Age	mls	Client Info		372186	340822	339095
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Oil Added	Changed
Filter Changed		Client Info		N/A	Not Changed	N/A
Sample Status				ATTENTION	NORMAL	ABNORMAL

Iron	ppm	ASTM D5185m	>500	167	74	▲ 601
Chromium	ppm	ASTM D5185m	>10	<1	<1	5
Nickel	ppm	ASTM D5185m	>10	1	1	▲ 16
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	11	3	● 29
Lead	ppm	ASTM D5185m	>25	0	0	3
Copper	ppm	ASTM D5185m	>100	3	<1	16
Tin	ppm	ASTM D5185m	>10	2	0	11
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	24	6	▲ 128
Potassium	ppm	ASTM D5185m	>20	<1	1	7
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		<1	0	5
Boron	ppm	ASTM D5185m	400	15	17	158
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	0	<1	11
Manganese	ppm	ASTM D5185m		2	1	10
Magnesium	ppm	ASTM D5185m	12	<1	<1	9
Calcium	ppm	ASTM D5185m	150	36	31	647
Phosphorus	ppm	ASTM D5185m	1650	480	457	1328
Zinc	ppm	ASTM D5185m	125	49	36	392
Sulfur	ppm	ASTM D5185m	22500	13299	13408	22141
Visc @ 40°C	cSt	ASTM D445	74	● 36.82	88.9	94.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0123565
Lab Number : 06197131
Unique Number : 11059254
Test Package : FLEET

Received : 31 May 2024
Tested : 05 Jun 2024
Diagnosed : 05 Jun 2024 - Jonathan Hester

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)

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F: