FLEET LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
427192
Component
1 Differential
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 1st Axle / Pusher)

WEAR

Gear wear is indicated.

CONTAMINATION

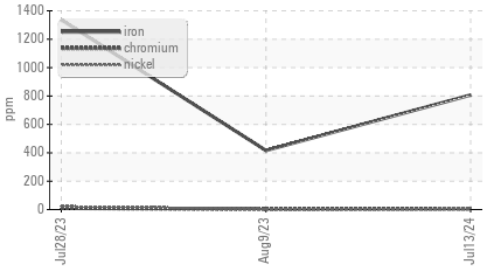
There is no indication of any contamination in the oil.

FLUID CONDITION

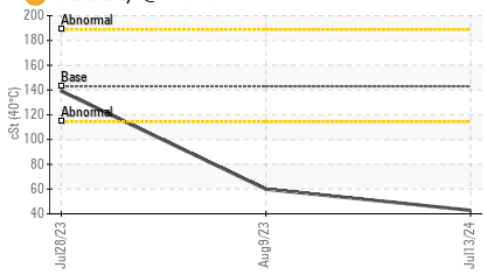
The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0128775	GFL0089374	GFL0089435
Sample Date		Client Info		13 Jul 2024	09 Aug 2023	28 Jul 2023
Machine Age	mls	Client Info		355324	331726	329996
Oil Age	mls	Client Info		329996	331726	329996
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Oil Added	Changed
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
Iron	ppm	ASTM D5185m	>500	▲ 807	416	▲ 1337
Chromium	ppm	ASTM D5185m	>10	5	2	9
Nickel	ppm	ASTM D5185m	>10	4	4	▲ 22
Titanium	ppm	ASTM D5185m		0	0	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	6	7	● 30
Lead	ppm	ASTM D5185m	>25	0	<1	1
Copper	ppm	ASTM D5185m	>100	6	4	19
Tin	ppm	ASTM D5185m	>10	4	4	13
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	66	32	▲ 146
Potassium	ppm	ASTM D5185m	>20	0	2	6
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	>170	1	0	0
Boron	ppm	ASTM D5185m	400	5	7	23
Barium	ppm	ASTM D5185m	200	0	0	<1
Molybdenum	ppm	ASTM D5185m	12	1	<1	4
Manganese	ppm	ASTM D5185m		8	4	16
Magnesium	ppm	ASTM D5185m	12	0	0	6
Calcium	ppm	ASTM D5185m	150	19	20	66
Phosphorus	ppm	ASTM D5185m	1650	493	479	385
Zinc	ppm	ASTM D5185m	125	0	1	37
Sulfur	ppm	ASTM D5185m	22500	18312	20590	19496
Visc @ 40°C	cSt	ASTM D445	143	● 42.8	● 59.9	139

Ferrous Alloys



Viscosity @ 40°C



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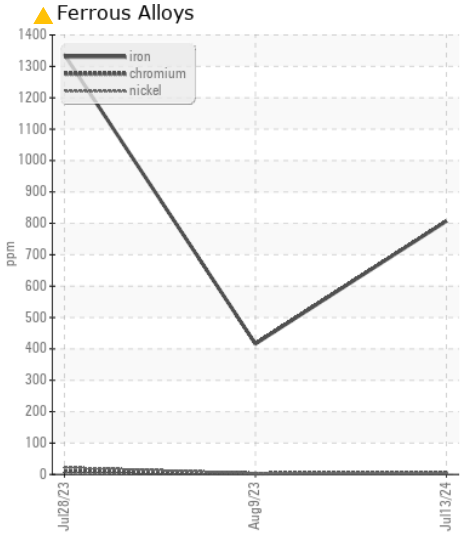
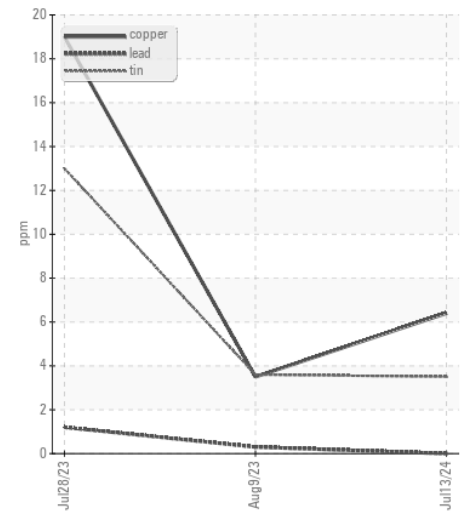


Non-ferrous Metals



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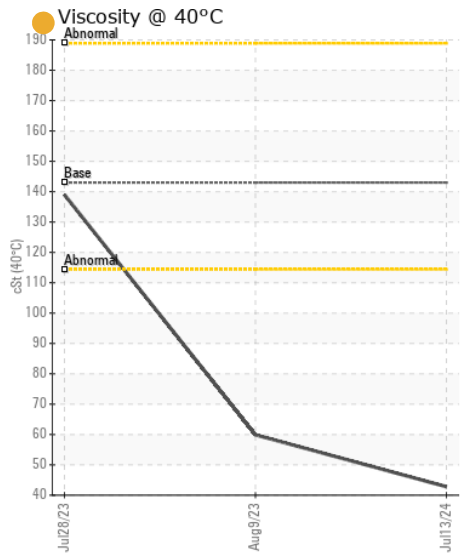

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0128775
Lab Number : 06240769
Unique Number : 11129603
Test Package : FLEET

Received : 18 Jul 2024
Tested : 19 Jul 2024
Diagnosed : 22 Jul 2024 - Don Baldridge

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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