



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
70049
Component
Front Right Planetary
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

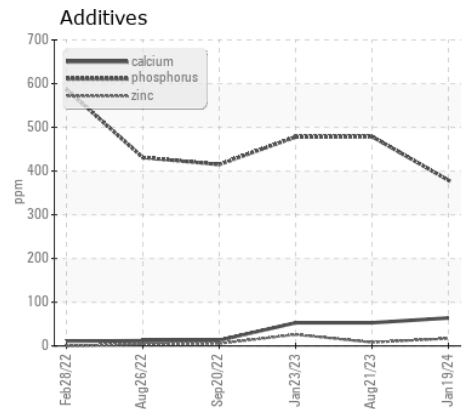
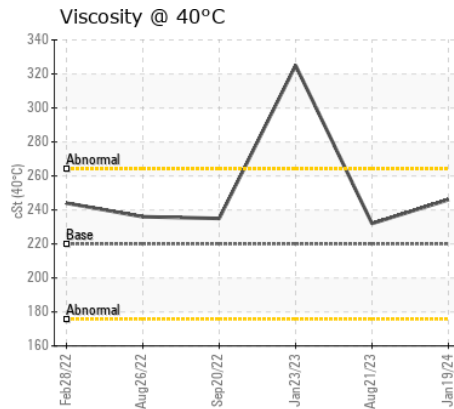
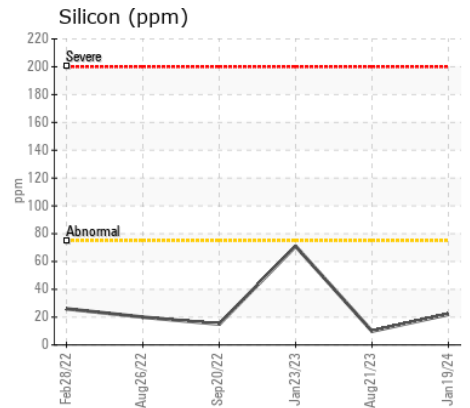
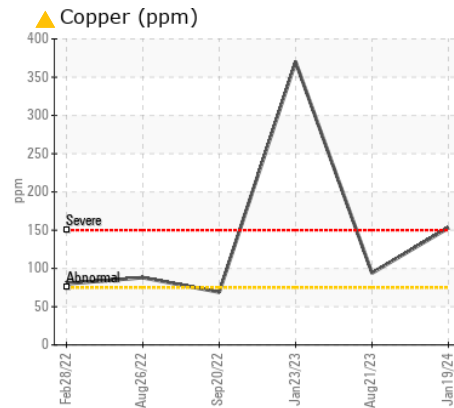
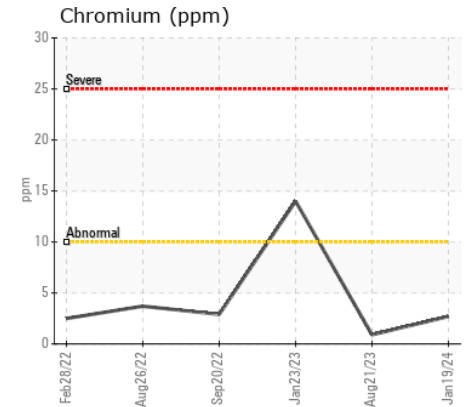
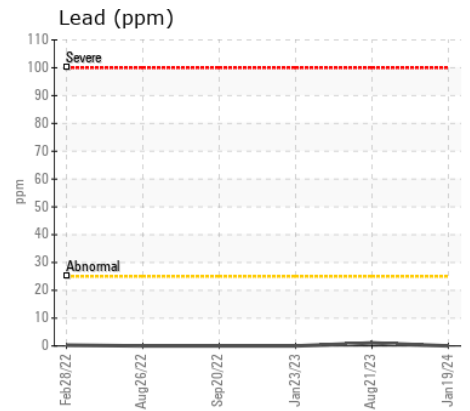
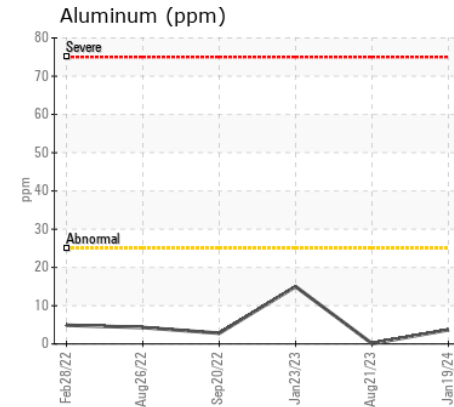
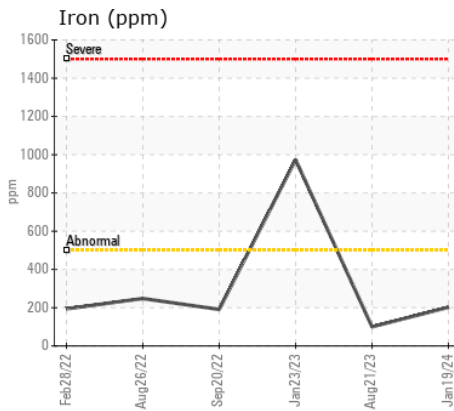
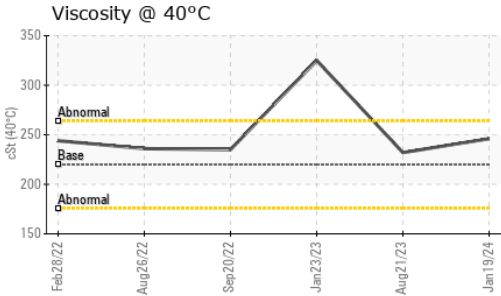
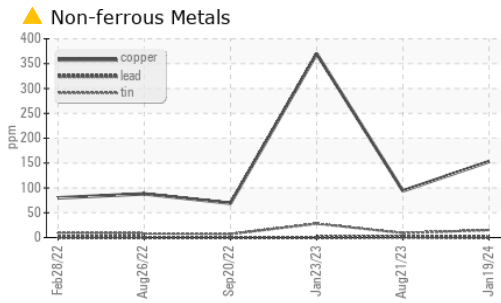
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0032895	DC0029394	DC0026881
Sample Date		Client Info		19 Jan 2024	21 Aug 2023	23 Jan 2023
Machine Age	hrs	Client Info		3678	3622	3124
Oil Age	hrs	Client Info		500	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE

Iron	ppm	ASTM D5185m	>500	202	100	▲ 974
Chromium	ppm	ASTM D5185m	>10	3	<1	▲ 14
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	<1	15
Lead	ppm	ASTM D5185m	>25	0	1	0
Copper	ppm	ASTM D5185m	>75	▲ 153	▲ 94	● 370
Tin	ppm	ASTM D5185m	>10	▲ 15	9	● 28
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	22	10	71
Potassium	ppm	ASTM D5185m	>20	2	4	4
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		7	1	15
Boron	ppm	ASTM D5185m	50	2	4	13
Barium	ppm	ASTM D5185m	15	0	0	29
Molybdenum	ppm	ASTM D5185m	15	<1	0	<1
Manganese	ppm	ASTM D5185m		2	1	7
Magnesium	ppm	ASTM D5185m	50	5	0	12
Calcium	ppm	ASTM D5185m	50	64	53	53
Phosphorus	ppm	ASTM D5185m	350	379	479	478
Zinc	ppm	ASTM D5185m	100	17	8	26
Sulfur	ppm	ASTM D5185m	12500	701	1178	2662
Visc @ 40°C	cSt	ASTM D445	220	246	232	▲ 325



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0032895 **Received** : 30 Jan 2024
Lab Number : 06075146 **Diagnosed** : 01 Feb 2024
Unique Number : 10857237 **Diagnostician** : Don Baldrige
Test Package : MOB 1

FRANCIS O DAY
 14900 SOUTHLAWN LN
 ROCKVILLE, MD
 US 20850
 Contact: JAMIE FORESTER

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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