



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
42471
Component
Rear Differential
Fluid
GEAR OIL LS 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL LS 80W90. Please confirm.
Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

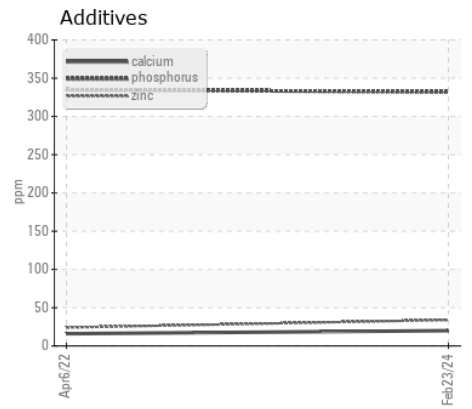
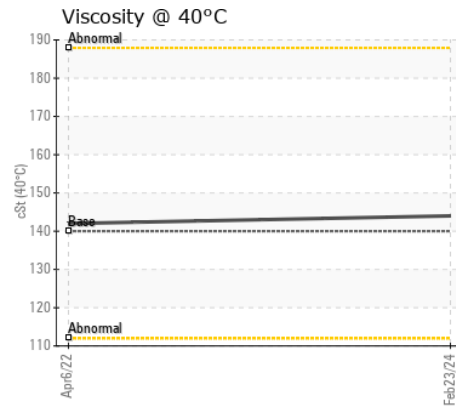
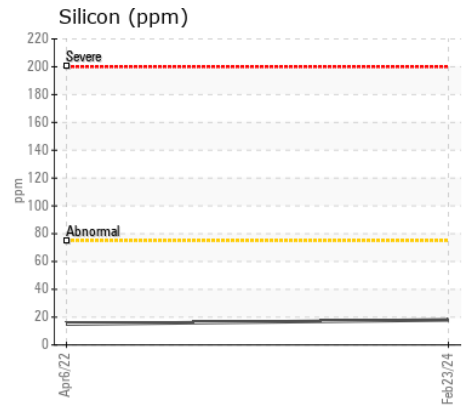
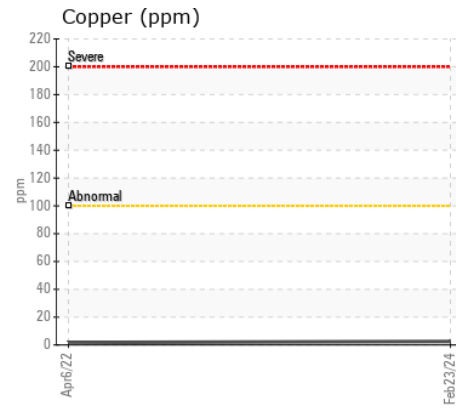
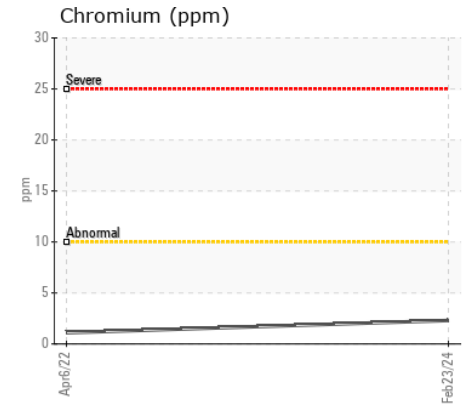
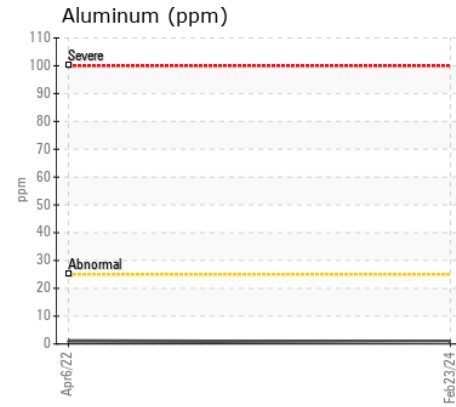
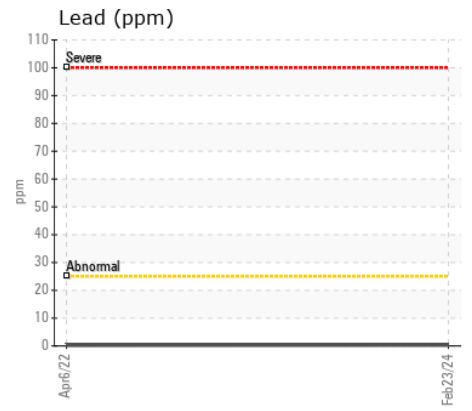
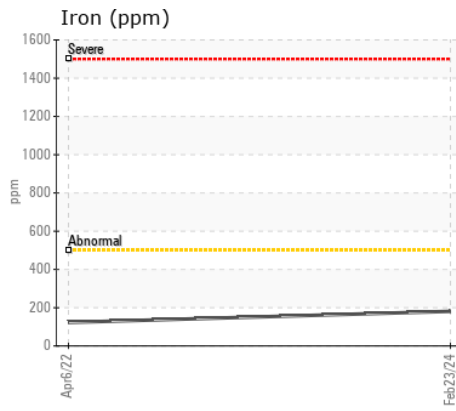
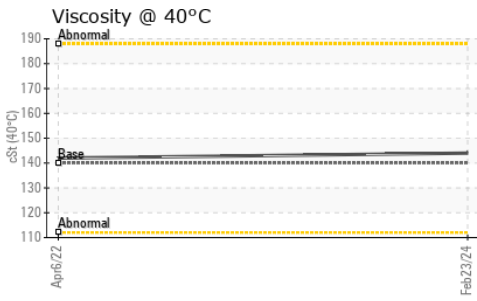
CONTAMINATION

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		DC0032970	DC0019455	---
Sample Date		Client Info		23 Feb 2024	06 Apr 2022	---
Machine Age	mls	Client Info		16689	13339	---
Oil Age	mls	Client Info		0	500	---
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185m	>500	181	123	---
Chromium	ppm	ASTM D5185m	>10	2	1	---
Nickel	ppm	ASTM D5185m	>10	1	<1	---
Titanium	ppm	ASTM D5185m		1	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>25	<1	1	---
Lead	ppm	ASTM D5185m	>25	<1	<1	---
Copper	ppm	ASTM D5185m	>100	2	2	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	18	15	---
Potassium	ppm	ASTM D5185m	>20	2	<1	---
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		4	4	---
Boron	ppm	ASTM D5185m	150	6	5	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		4	2	---
Manganese	ppm	ASTM D5185m		15	10	---
Magnesium	ppm	ASTM D5185m	10	2	0	---
Calcium	ppm	ASTM D5185m	70	20	16	---
Phosphorus	ppm	ASTM D5185m	2000	332	335	---
Zinc	ppm	ASTM D5185m	50	34	24	---
Sulfur	ppm	ASTM D5185m	20000	21781	16089	---
Visc @ 40°C	cSt	ASTM D445	140	144	142	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0032970
Lab Number : 06103902
Unique Number : 10902132
Test Package : MOB 1

Received : 28 Feb 2024
Tested : 29 Feb 2024
Diagnosed : 29 Feb 2024 - Wes Davis

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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F: