



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
60172
 Component
Rear Differential
 Fluid
GEAR OIL SAE 75W90 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

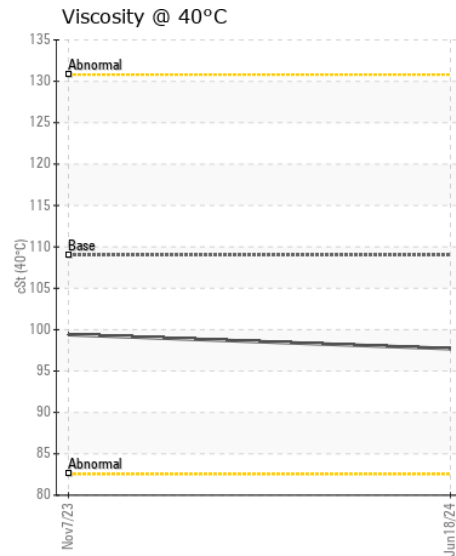
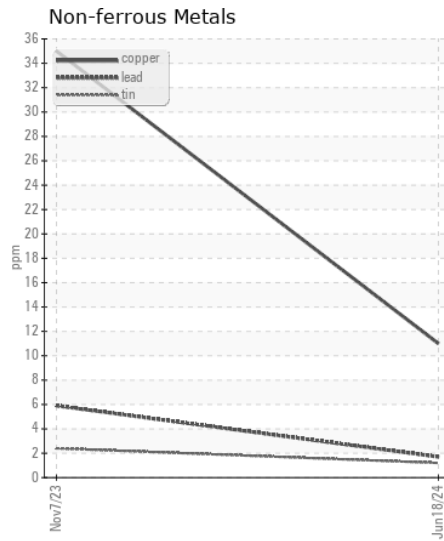
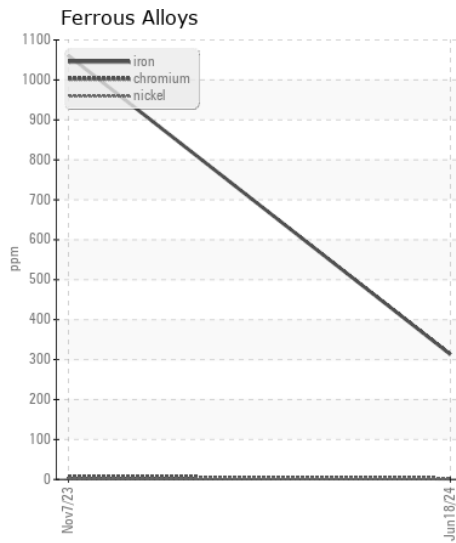
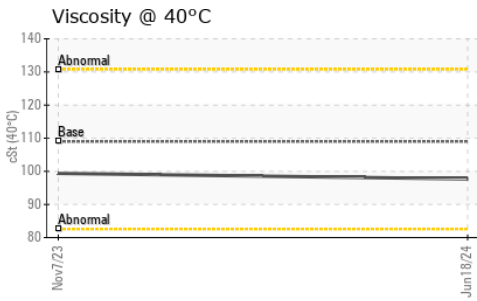
CONTAMINATION

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		WC0867774	WC0867833	---
Sample Date		Client Info		18 Jun 2024	07 Nov 2023	---
Machine Age	mls	Client Info		45106	20890	---
Oil Age	mls	Client Info		24216	125337	---
Filter Age	mls	Client Info		0	125337	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---
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Iron	ppm	ASTM D5185m	>500	313	▲ 1061	---
Chromium	ppm	ASTM D5185m	>10	2	7	---
Nickel	ppm	ASTM D5185m	>10	1	2	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	5	● 15	---
Lead	ppm	ASTM D5185m	>25	2	6	---
Copper	ppm	ASTM D5185m	>100	11	35	---
Tin	ppm	ASTM D5185m	>10	1	2	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
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Silicon	ppm	ASTM D5185m	>75	47	▲ 172	---
Potassium	ppm	ASTM D5185m	>20	3	2	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
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	---
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Sodium	ppm	ASTM D5185m		16	22	---
Boron	ppm	ASTM D5185m	400	204	235	---
Barium	ppm	ASTM D5185m	200	1	2	---
Molybdenum	ppm	ASTM D5185m	12	<1	0	---
Manganese	ppm	ASTM D5185m		4	10	---
Magnesium	ppm	ASTM D5185m	12	15	33	---
Calcium	ppm	ASTM D5185m	150	42	98	---
Phosphorus	ppm	ASTM D5185m	1650	1353	1414	---
Zinc	ppm	ASTM D5185m	125	20	80	---
Sulfur	ppm	ASTM D5185m	22500	22856	23780	---
Visc @ 40°C	cSt	ASTM D445	109	97.7	99.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0867774
Lab Number : 06225419
Unique Number : 11103616
Test Package : FLEET

Received : 01 Jul 2024
Tested : 02 Jul 2024
Diagnosed : 02 Jul 2024 - Wes Davis

GREENEVILLE OIL & PETROLEUM INC
 860 WEST ANDREW JOHNSON HWY
 GREENEVILLE, TN
 US 37745
 Contact: SHOP
 shop@burkhardtenterprises.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: