



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
53-04L
Component
Rear Differential
Fluid
{not provided} (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0793243	---	---
Sample Date	Client Info		13 Nov 2023	---	---
Machine Age	hrs	Client Info	636	---	---
Oil Age	hrs	Client Info	414	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			NORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	145	---	---
Chromium	ppm	ASTM D5185m >10	2	---	---
Nickel	ppm	ASTM D5185m >10	7	---	---
Titanium	ppm	ASTM D5185m	<1	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	1	---	---
Lead	ppm	ASTM D5185m >25	15	---	---
Copper	ppm	ASTM D5185m >100	89	---	---
Tin	ppm	ASTM D5185m >10	4	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	104	---	---
Barium	ppm	ASTM D5185m	7	---	---
Molybdenum	ppm	ASTM D5185m	<1	---	---
Manganese	ppm	ASTM D5185m	38	---	---
Magnesium	ppm	ASTM D5185m	21	---	---
Calcium	ppm	ASTM D5185m	3224	---	---
Phosphorus	ppm	ASTM D5185m	1062	---	---
Zinc	ppm	ASTM D5185m	1316	---	---
Sulfur	ppm	ASTM D5185m	3493	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	12	---	---
Sodium	ppm	ASTM D5185m	14	---	---
Potassium	ppm	ASTM D5185m >20	2	---	---

VISUAL

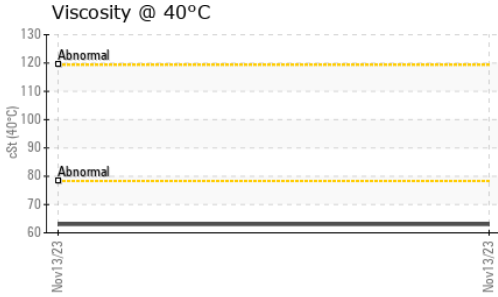
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	---	---
Yellow Metal	scalar	*Visual NONE	NONE	---	---
Precipitate	scalar	*Visual NONE	NONE	---	---
Silt	scalar	*Visual NONE	NONE	---	---
Debris	scalar	*Visual NONE	NONE	---	---
Sand/Dirt	scalar	*Visual NONE	NONE	---	---
Appearance	scalar	*Visual NORML	NORML	---	---
Odor	scalar	*Visual NORML	NORML	---	---
Emulsified Water	scalar	*Visual >.2	NEG	---	---
Free Water	scalar	*Visual	NEG	---	---

FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	63.0	---	---

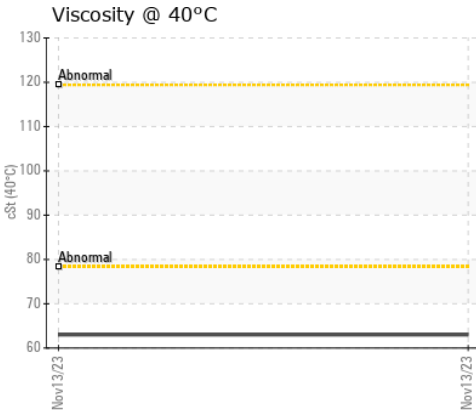
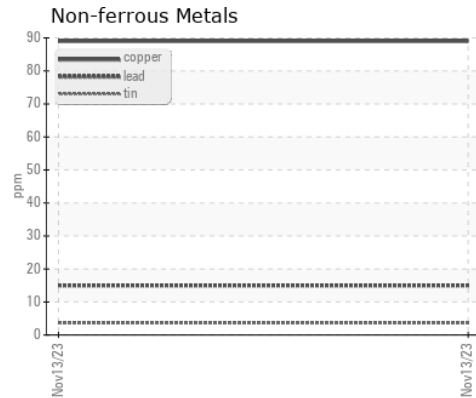
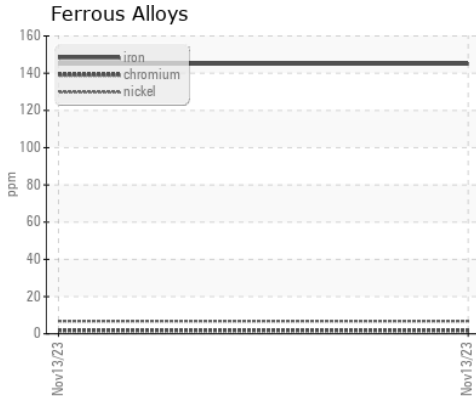


OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0793243 **Received** : 15 Nov 2023
Lab Number : 06009221 **Diagnosed** : 17 Nov 2023
Unique Number : 10742983 **Diagnostician** : Angela Borella
Test Package : CONST

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 US 74146
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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)