



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
GROVE 7959 (S/N 229061)
 Component
Transmission (Manual)
 Fluid
UTF (--- QTS)

RECOMMENDATION

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0030533	DC0025387	---
Sample Date		Client Info		11 Jan 2024	11 Jan 2023	---
Machine Age	hrs	Client Info		3295	2969	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				ABNORMAL	SEVERE	---

WEAR

The lead level is abnormal.

Iron	ppm	ASTM D5185m	>200	15	50	---
Chromium	ppm	ASTM D5185m	>5	0	<1	---
Nickel	ppm	ASTM D5185m	>5	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>7	0	1	---
Aluminum	ppm	ASTM D5185m	>25	1	18	---
Lead	ppm	ASTM D5185m	>45	▲ 229	14	---
Copper	ppm	ASTM D5185m	>225	59	● 810	---
Tin	ppm	ASTM D5185m	>10	<1	5	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

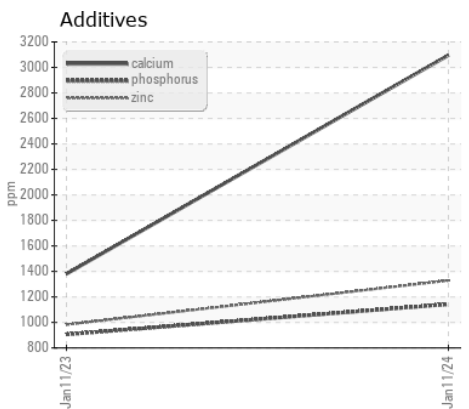
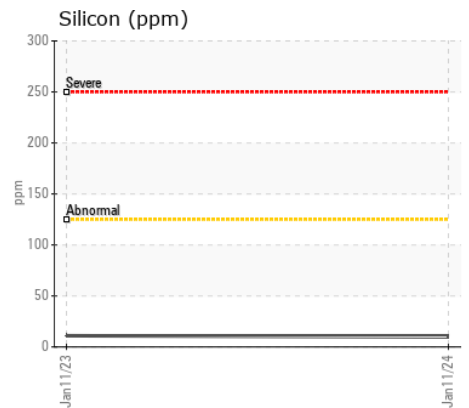
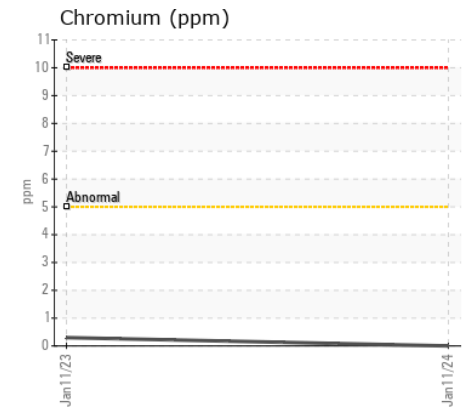
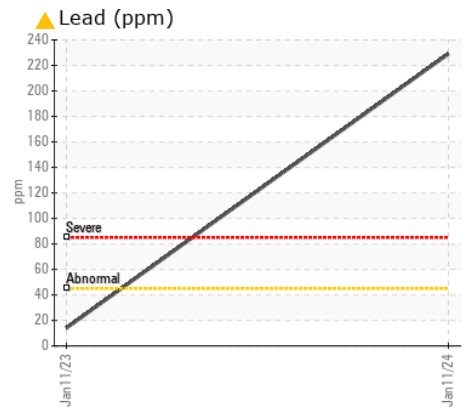
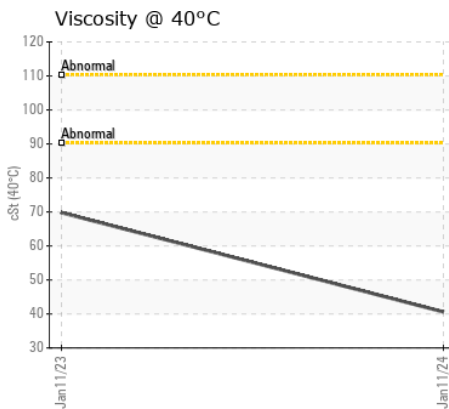
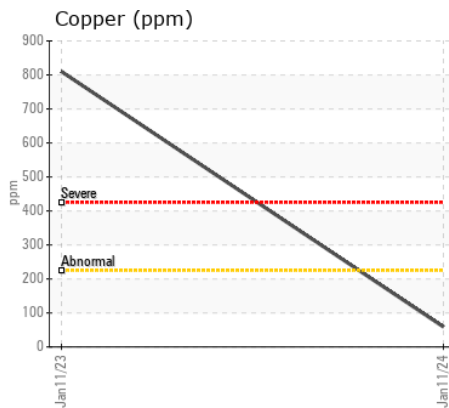
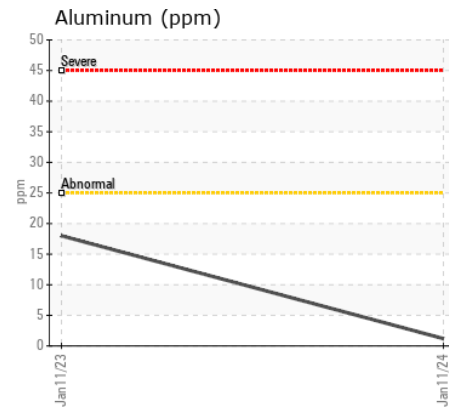
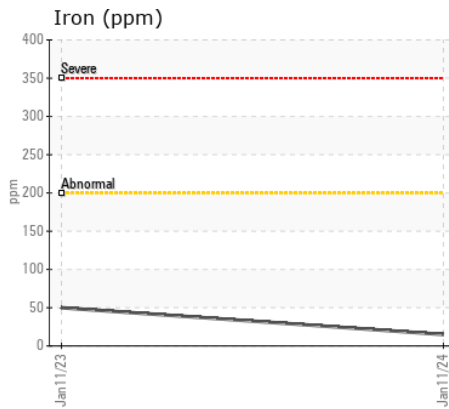
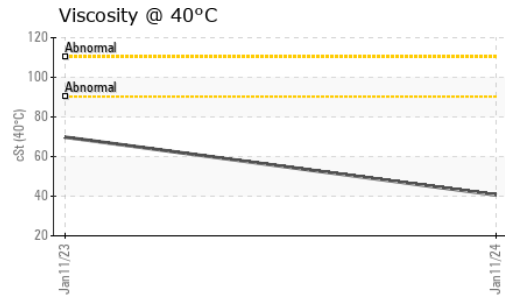
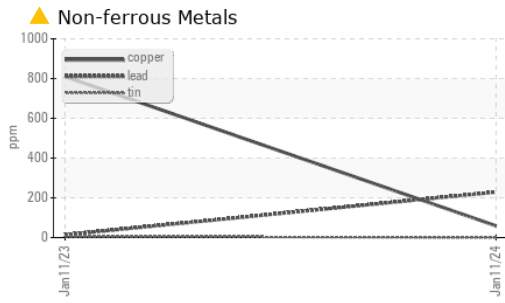
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	10	11	---
Potassium	ppm	ASTM D5185m	>20	5	3	---
Water		WC Method	>0.1	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	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	7	---
Boron	ppm	ASTM D5185m		103	125	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	36	---
Manganese	ppm	ASTM D5185m		<1	3	---
Magnesium	ppm	ASTM D5185m		33	671	---
Calcium	ppm	ASTM D5185m		3096	1381	---
Phosphorus	ppm	ASTM D5185m		1143	906	---
Zinc	ppm	ASTM D5185m		1329	983	---
Sulfur	ppm	ASTM D5185m		5317	4450	---
Visc @ 40°C	cSt	ASTM D445		40.6	69.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0030533 **Received** : 18 Jan 2024
Lab Number : 06065239 **Diagnosed** : 24 Jan 2024
Unique Number : 10836621 **Diagnostician** : Doug Bogart
Test Package : MOB 1

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 6721 RARITON AVENUE
 ABERDEEN, MD
 US 21005
 Contact: TONY DAVIS
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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)