



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
GROVE 7702 (S/N 232574)
 Component
Power Take Off
 Fluid
CASTROL TRANSYND (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0021570	---	---
Sample Date		Client Info		01 Apr 2024	---	---
Machine Age	hrs	Client Info		5230	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

WEAR

Bearing and/or bushing wear is indicated. Gear wear is indicated.

Iron	ppm	ASTM D5185m	>200	▲ 368	---	---
Chromium	ppm	ASTM D5185m	>10	4	---	---
Nickel	ppm	ASTM D5185m		4	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>50	48	---	---
Lead	ppm	ASTM D5185m	>50	▲ 780	---	---
Copper	ppm	ASTM D5185m	>200	▲ 1055	---	---
Tin	ppm	ASTM D5185m	>10	10	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

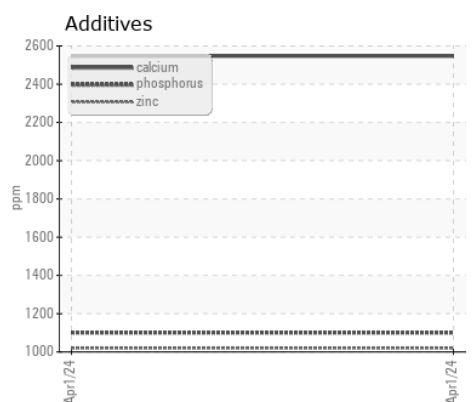
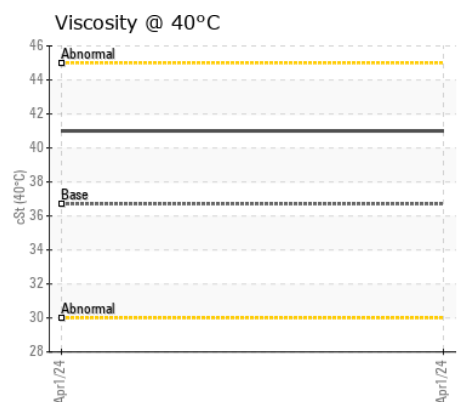
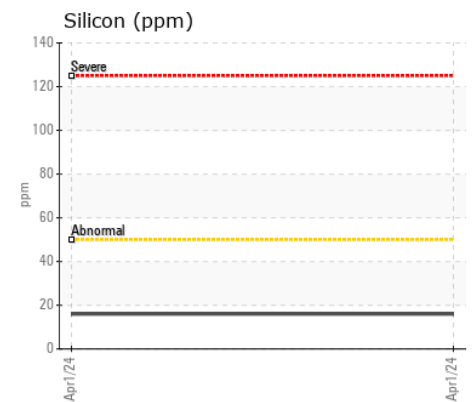
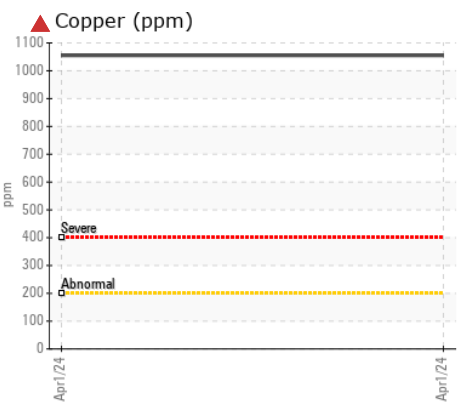
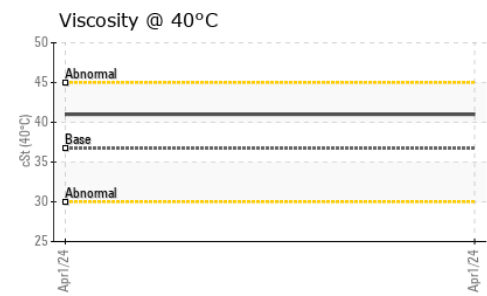
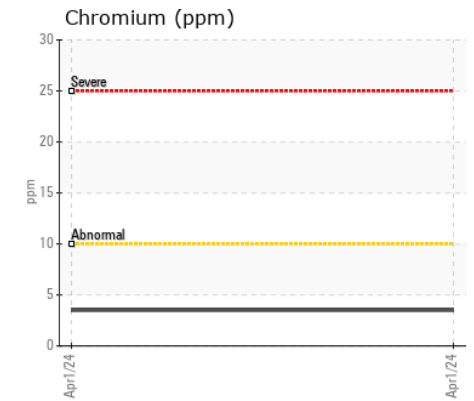
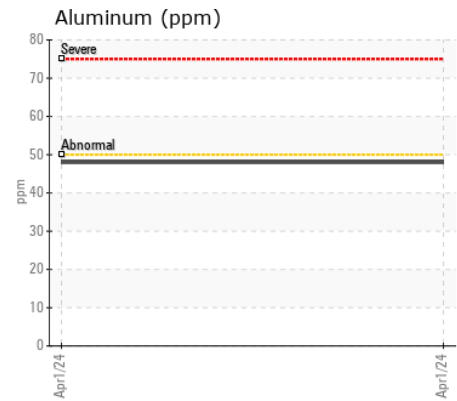
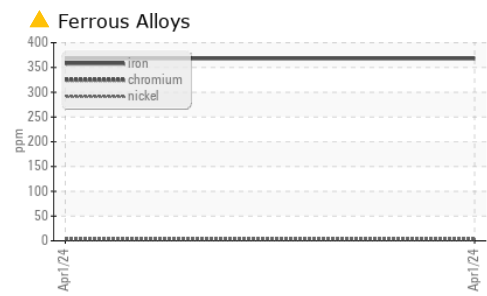
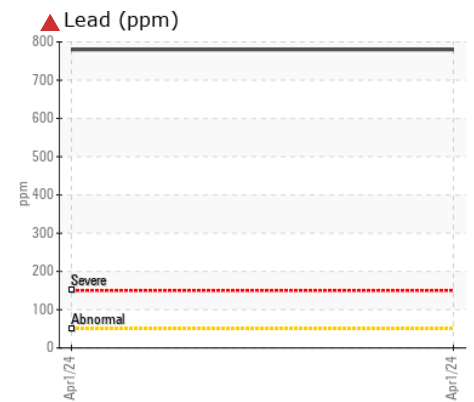
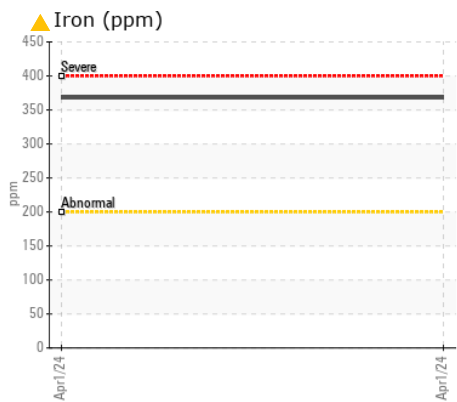
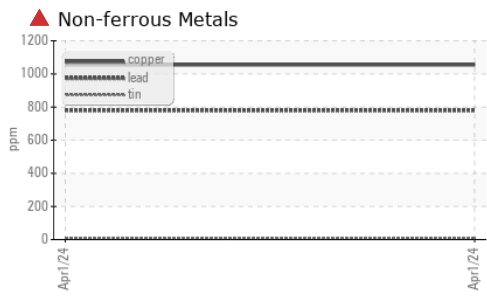
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	16	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	*Visual	NONE	LIGHT	---	---
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	>0.1	NEG	---	---

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		8	---	---
Boron	ppm	ASTM D5185m	133	13	---	---
Barium	ppm	ASTM D5185m	0	30	---	---
Molybdenum	ppm	ASTM D5185m	0	1	---	---
Manganese	ppm	ASTM D5185m		5	---	---
Magnesium	ppm	ASTM D5185m	0	8	---	---
Calcium	ppm	ASTM D5185m	27	2547	---	---
Phosphorus	ppm	ASTM D5185m	293	1101	---	---
Zinc	ppm	ASTM D5185m	0	1020	---	---
Sulfur	ppm	ASTM D5185m	1050	7927	---	---
Visc @ 40°C	cSt	ASTM D445	36.7	41.0	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0021570 **Received** : 23 Apr 2024
Lab Number : **06158031** **Tested** : 24 Apr 2024
Unique Number : 10993454 **Diagnosed** : 25 Apr 2024 - Don Baldrige
Test Package : MOB 1

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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)