



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
GRAYSON CARTER & SON [A34405]

Machine Id
1DW624PACPLA20810

Component
Front Axle

Fluid
JOHN DEERE HY-GARD HYD/TRANS (23 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: A34405)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0006039	---	---
Sample Date		Client Info		10 Jan 2024	---	---
Machine Age	hrs	Client Info		508	---	---
Oil Age	hrs	Client Info		508	---	---
Filter Age	hrs	Client Info		508	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				ABNORMAL	---	---

WEAR

The copper level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184		21	---	---
Iron	ppm	ASTM D5185m	>500	57	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	<1	---	---
Lead	ppm	ASTM D5185m	>25	18	---	---
Copper	ppm	ASTM D5185m	>50	▲ 78	---	---
Tin	ppm	ASTM D5185m	>10	4	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

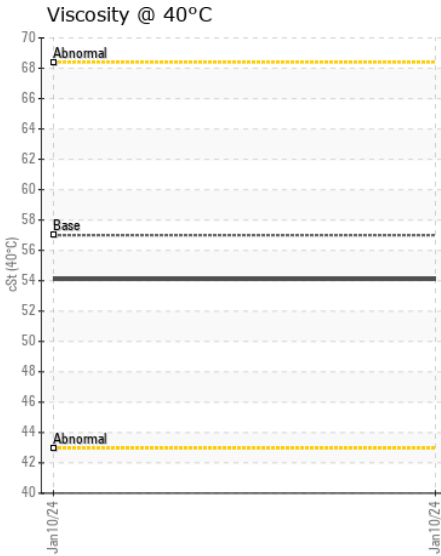
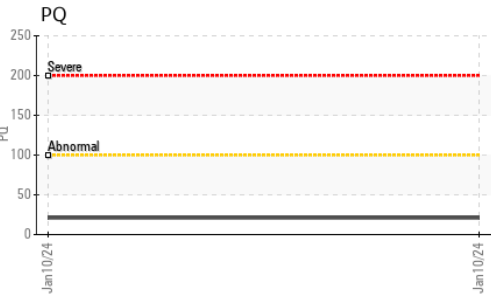
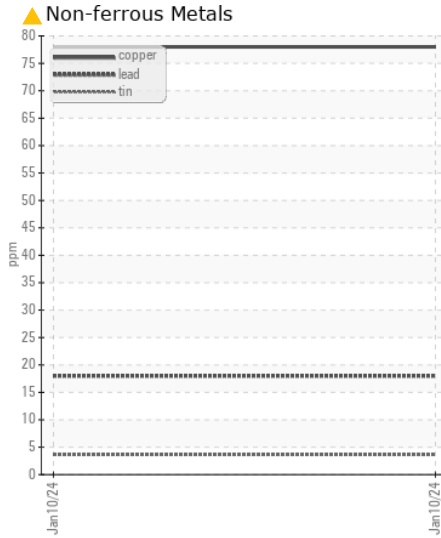
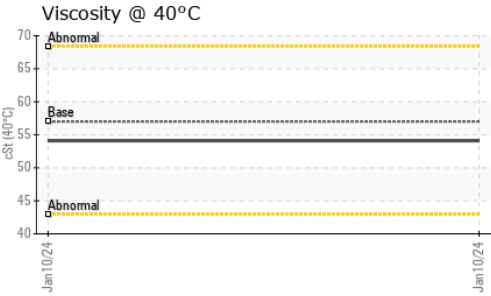
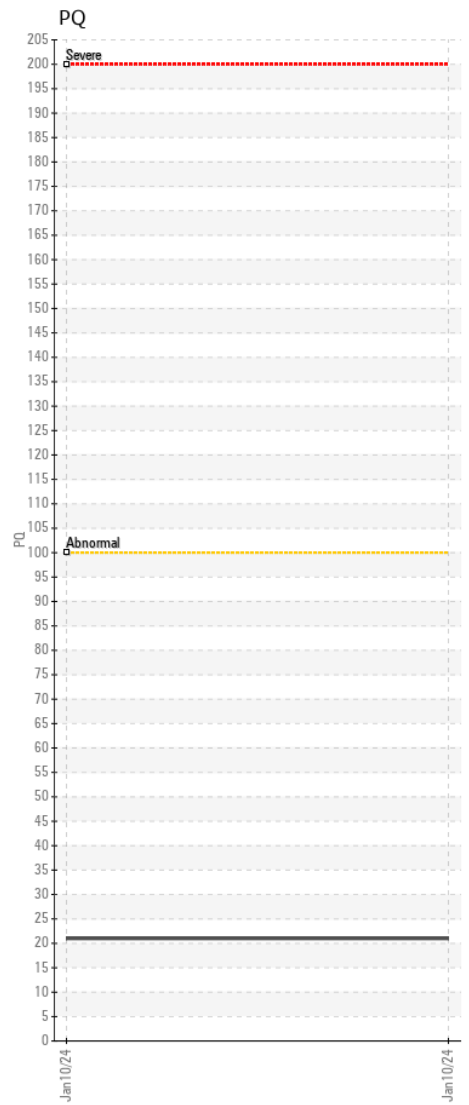
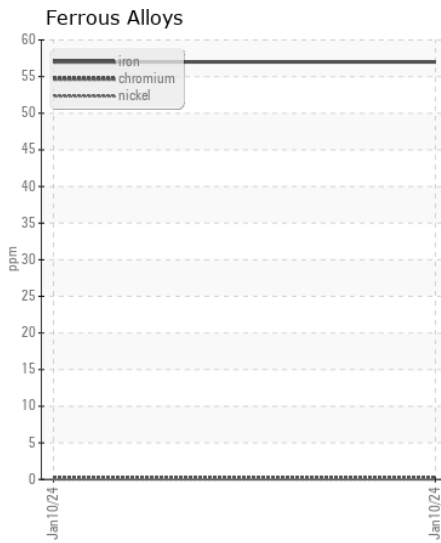
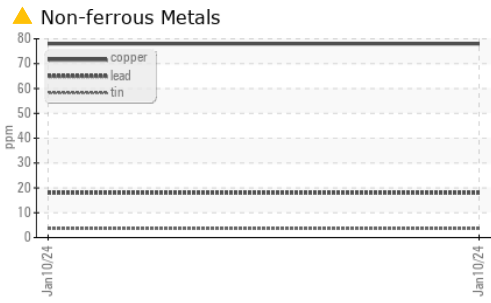
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	5	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water		WC Method	>0.2	NEG	---	---
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	>0.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		7	---	---
Boron	ppm	ASTM D5185m	6	3	---	---
Barium	ppm	ASTM D5185m	0	4	---	---
Molybdenum	ppm	ASTM D5185m	0	<1	---	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m	145	102	---	---
Calcium	ppm	ASTM D5185m	3570	3155	---	---
Phosphorus	ppm	ASTM D5185m	1290	981	---	---
Zinc	ppm	ASTM D5185m	1640	1167	---	---
Sulfur	ppm	ASTM D5185m		3318	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	54.1	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0006039 **Received** : 12 Jan 2024
Lab Number : 06059543 **Diagnosed** : 16 Jan 2024
Unique Number : 10830925 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE
 25135 ONE AVIATION WAY SW
 MADISON, AL
 US 35756
 Contact: BOBBY LUCKY
 warriorparts033@gmail.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: