



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1DW748LBPPL718824
 Component
Rear Axle
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (32 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0212003	JR0200749	---
Sample Date		Client Info		12 Apr 2024	28 Jan 2024	---
Machine Age	hrs	Client Info		1038	532	---
Oil Age	hrs	Client Info		0	532	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		54	51	---
Iron	ppm	ASTM D5185m	>750	106	87	---
Chromium	ppm	ASTM D5185m	>11	2	<1	---
Nickel	ppm	ASTM D5185m	>10	2	0	---
Titanium	ppm	ASTM D5185m		1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>21	3	2	---
Lead	ppm	ASTM D5185m	>49	0	1	---
Copper	ppm	ASTM D5185m	>101	14	26	---
Tin	ppm	ASTM D5185m	>10	9	<1	---
Vanadium	ppm	ASTM D5185m		1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

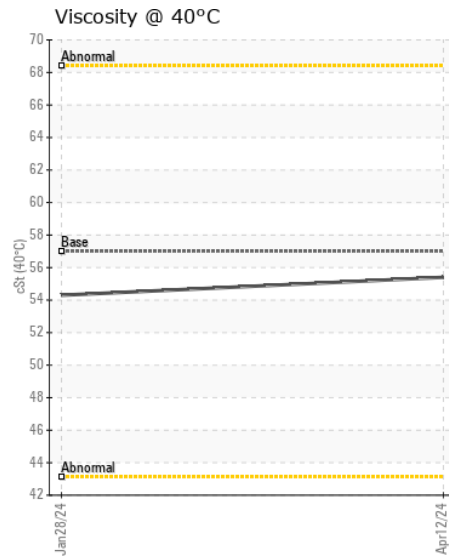
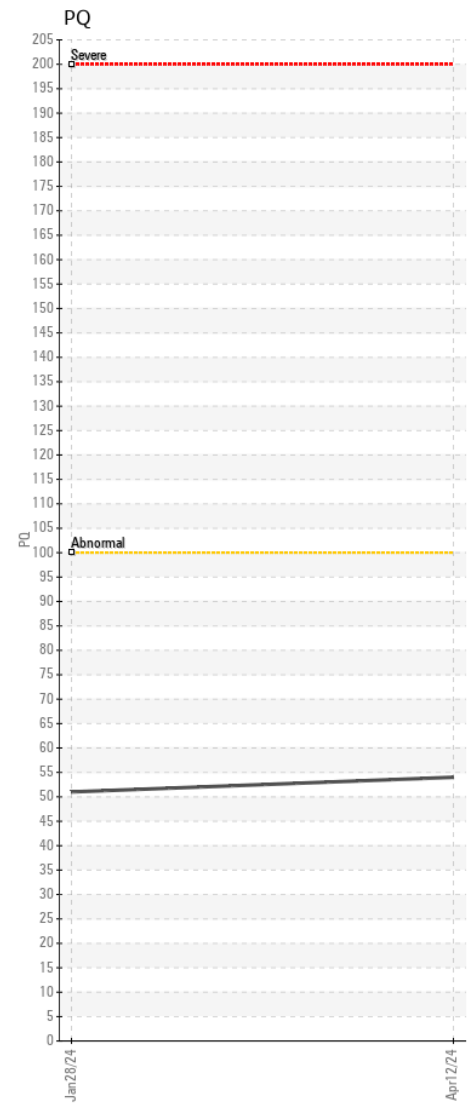
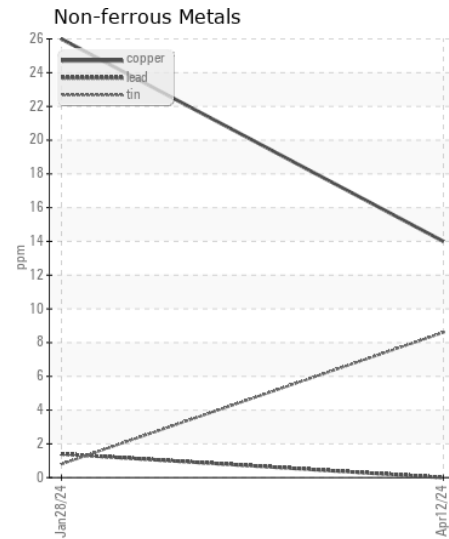
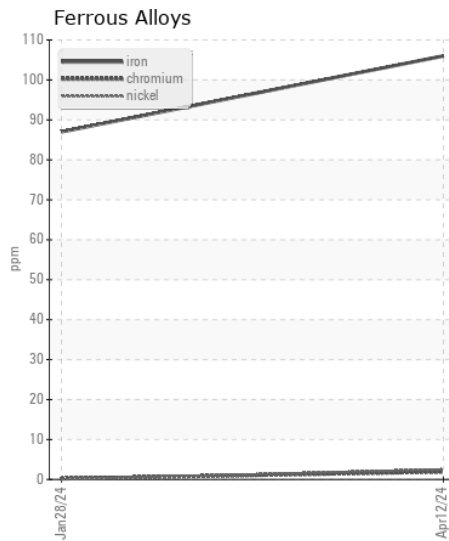
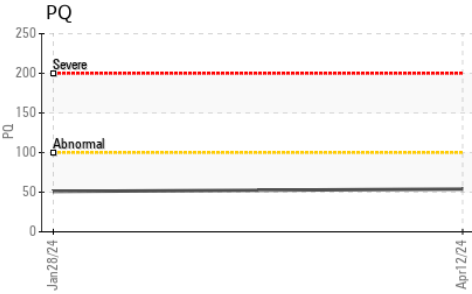
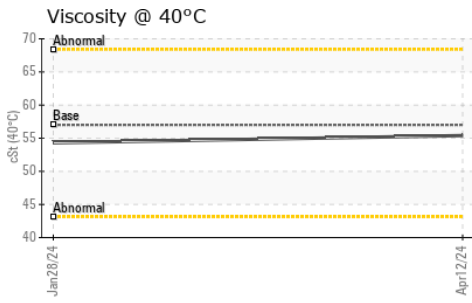
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	6	6	---
Potassium	ppm	ASTM D5185m	>20	6	4	---
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	2	<1	---
Boron	ppm	ASTM D5185m	6	36	3	---
Barium	ppm	ASTM D5185m	0	4	8	---
Molybdenum	ppm	ASTM D5185m	0	26	<1	---
Manganese	ppm	ASTM D5185m		4	4	---
Magnesium	ppm	ASTM D5185m	145	158	111	---
Calcium	ppm	ASTM D5185m	3570	3649	3481	---
Phosphorus	ppm	ASTM D5185m	1290	1019	1097	---
Zinc	ppm	ASTM D5185m	1640	1134	1294	---
Sulfur	ppm	ASTM D5185m		4203	4193	---
Visc @ 40°C	cSt	ASTM D445	57.0	55.4	54.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212003 **Received** : 16 Apr 2024
Lab Number : 06150672 **Tested** : 17 Apr 2024
Unique Number : 10980750 **Diagnosed** : 18 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

AMERICAN MATERIALS
 P.O. BOX 16014
 WICHITA, KS
 US 67216
 Contact: FRED THATALE

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: