



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1DW748LBPPL718824
 Component
Front 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		JR0212002	JR0200559	---
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		21	35	---
Iron	ppm	ASTM D5185m	>750	32	71	---
Chromium	ppm	ASTM D5185m	>11	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	2	2	---
Lead	ppm	ASTM D5185m	>49	0	<1	---
Copper	ppm	ASTM D5185m	>101	10	15	---
Tin	ppm	ASTM D5185m	>10	6	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

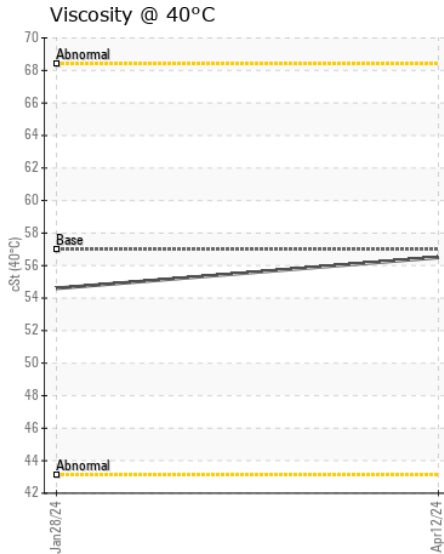
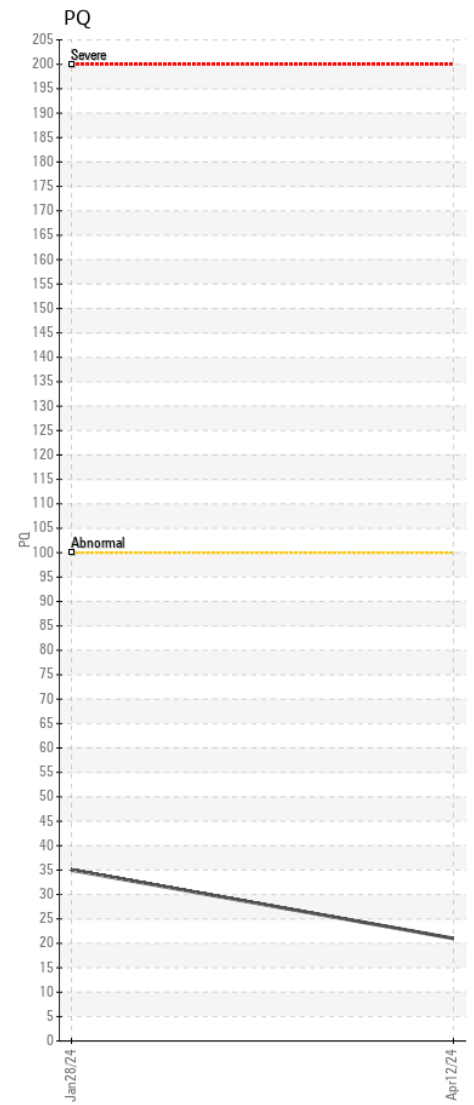
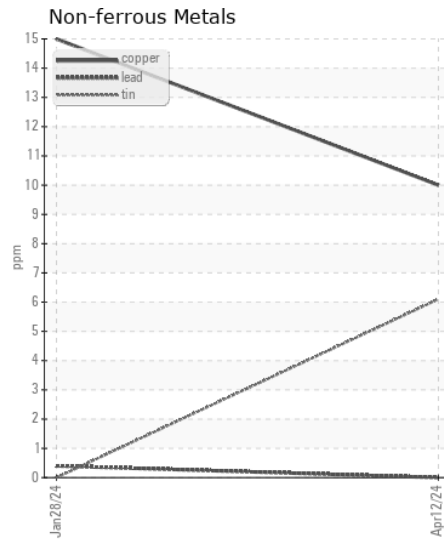
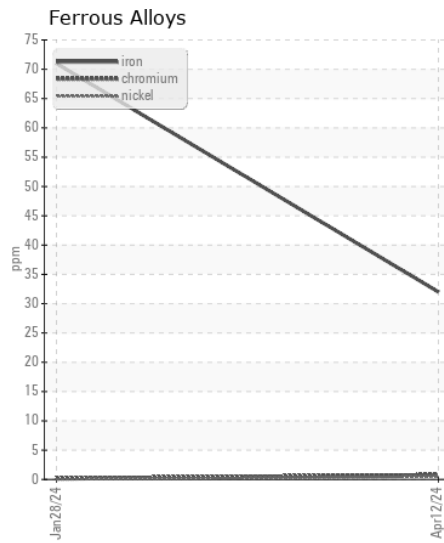
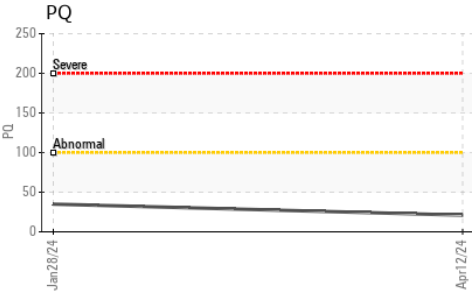
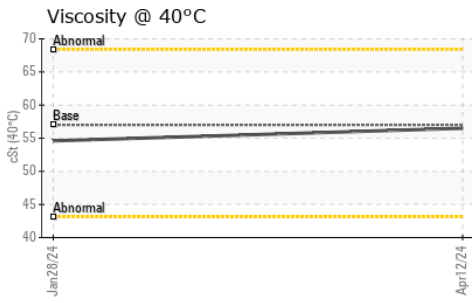
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	2	8	---
Potassium	ppm	ASTM D5185m	>20	<1	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 oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	2	<1	---
Boron	ppm	ASTM D5185m	6	38	6	---
Barium	ppm	ASTM D5185m	0	5	9	---
Molybdenum	ppm	ASTM D5185m	0	28	3	---
Manganese	ppm	ASTM D5185m		2	4	---
Magnesium	ppm	ASTM D5185m	145	170	120	---
Calcium	ppm	ASTM D5185m	3570	3250	3514	---
Phosphorus	ppm	ASTM D5185m	1290	915	1118	---
Zinc	ppm	ASTM D5185m	1640	1029	1301	---
Sulfur	ppm	ASTM D5185m		3765	4374	---
Visc @ 40°C	cSt	ASTM D445	57.0	56.5	54.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212002 **Received** : 16 Apr 2024
Lab Number : 06150659 **Tested** : 17 Apr 2024
Unique Number : 10980737 **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)

T:
F: