



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 944X 03734
 Component
Front Left Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MT0006116	MT0005815	---
Sample Date		Client Info		17 May 2024	24 Jan 2024	---
Machine Age	hrs	Client Info		951	469	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	15	16	---
Iron	ppm	ASTM D5185m	>750	16	8	---
Chromium	ppm	ASTM D5185m	>9	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		1	0	---
Aluminum	ppm	ASTM D5185m	>40	1	2	---
Lead	ppm	ASTM D5185m	>15	<1	0	---
Copper	ppm	ASTM D5185m	>40	27	20	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

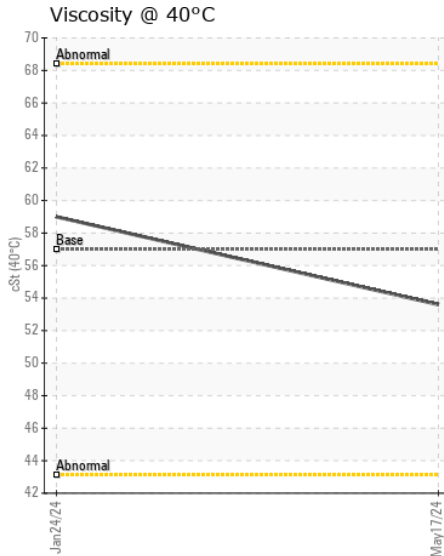
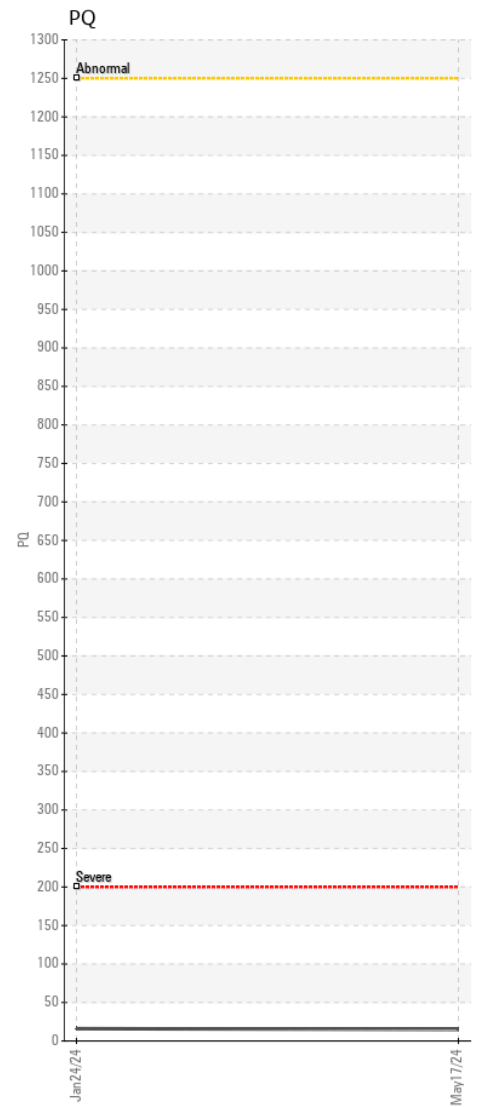
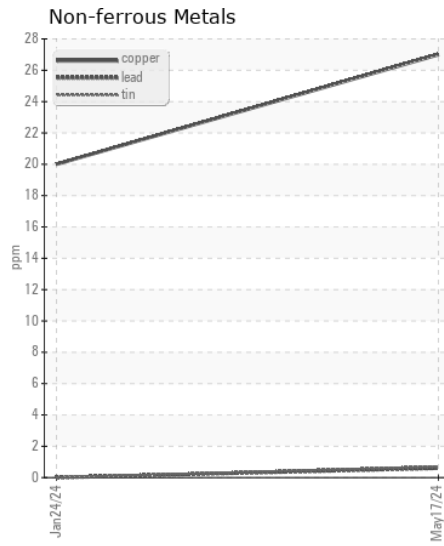
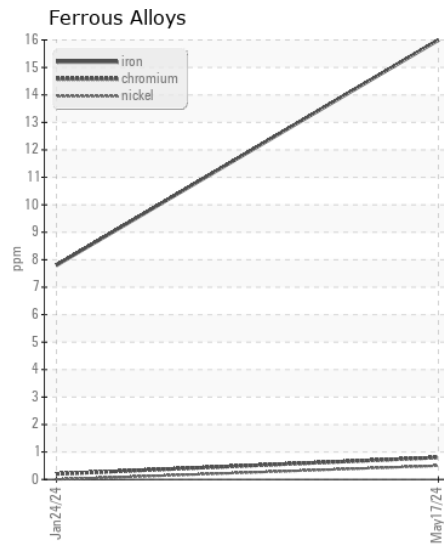
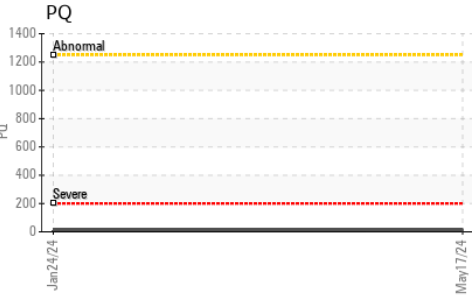
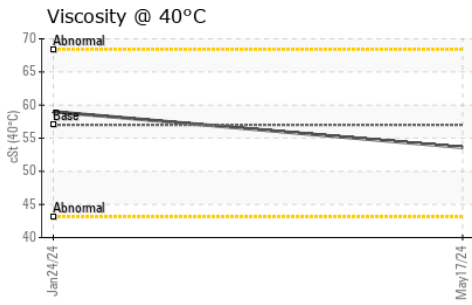
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	20	21	---
Potassium	ppm	ASTM D5185m	>20	3	2	---
Water		WC Method	>0.075	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	>0.075	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	0	---
Boron	ppm	ASTM D5185m	6	6	2	---
Barium	ppm	ASTM D5185m	0	3	4	---
Molybdenum	ppm	ASTM D5185m	0	<1	<1	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m	145	102	102	---
Calcium	ppm	ASTM D5185m	3570	3477	3311	---
Phosphorus	ppm	ASTM D5185m	1290	1033	994	---
Zinc	ppm	ASTM D5185m	1640	1277	1223	---
Sulfur	ppm	ASTM D5185m		4456	3921	---
Visc @ 40°C	cSt	ASTM D445	57.0	53.6	59.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : MT0006116

Lab Number : 06190755

Unique Number : 11047507

Test Package : CONST (Additional Tests: PQ)

Received : 24 May 2024

Tested : 28 May 2024

Diagnosed : 28 May 2024 - Wes Davis

MURPHY TRACTOR - CAMBRIDGE

60611 HULSE DRIVE

CAMBRIDGE, OH

US 43725

Contact: DUSTIN DAILEY

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T:

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)

F: (740)439-2325