



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 944K 703680 - MT2
 Component
Rear 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		MT0006346	MT0005846	---
Sample Date		Client Info		05 Apr 2024	25 Jan 2024	---
Machine Age	hrs	Client Info		2516	1997	---
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	Changed	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	13	14	---
Iron	ppm	ASTM D5185m	>750	4	11	---
Chromium	ppm	ASTM D5185m	>9	1	<1	---
Nickel	ppm	ASTM D5185m	>10	2	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>40	2	2	---
Lead	ppm	ASTM D5185m	>15	3	0	---
Copper	ppm	ASTM D5185m	>40	3	▲ 57	---
Tin	ppm	ASTM D5185m	>10	4	0	---
Vanadium	ppm	ASTM D5185m		1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

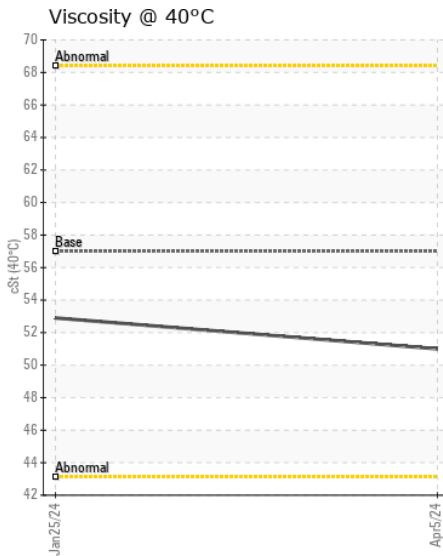
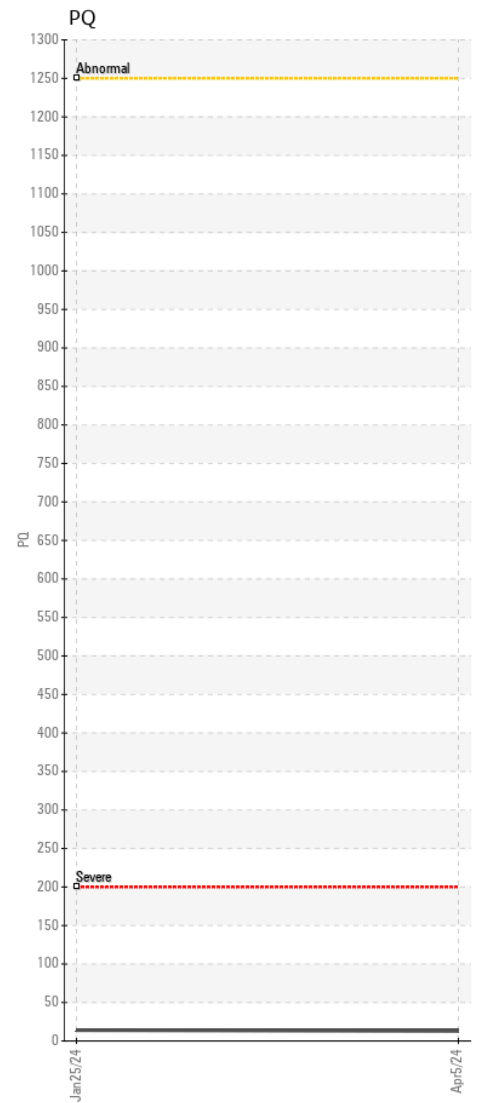
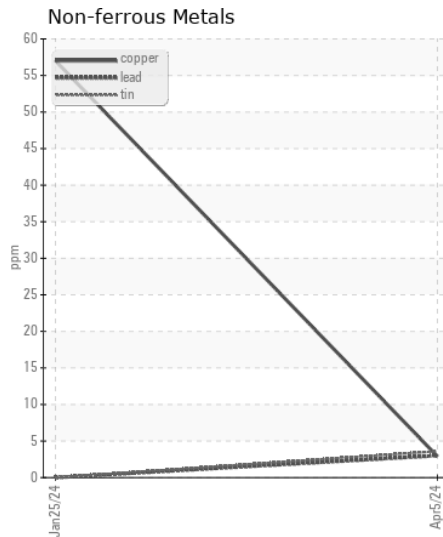
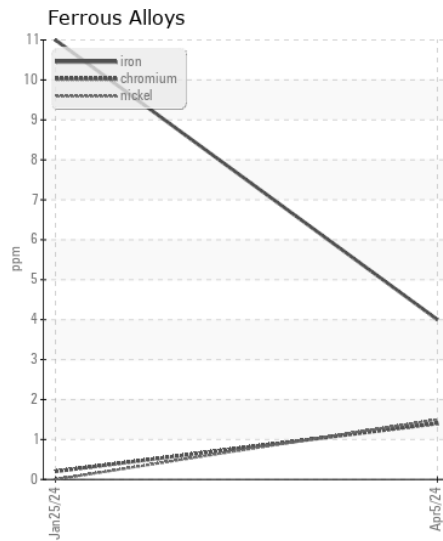
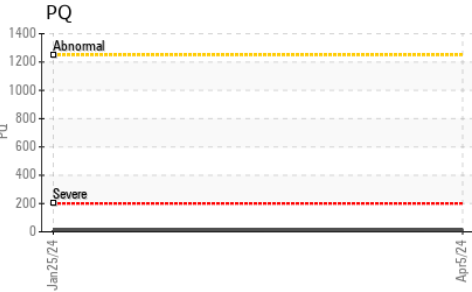
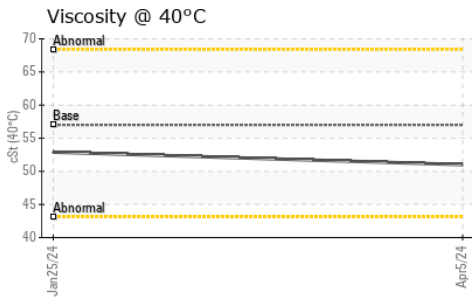
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	5	26	---
Potassium	ppm	ASTM D5185m	>20	1	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	2	0	---
Boron	ppm	ASTM D5185m	6	<1	1	---
Barium	ppm	ASTM D5185m	0	3	2	---
Molybdenum	ppm	ASTM D5185m	0	<1	<1	---
Manganese	ppm	ASTM D5185m		2	<1	---
Magnesium	ppm	ASTM D5185m	145	103	90	---
Calcium	ppm	ASTM D5185m	3570	3984	3227	---
Phosphorus	ppm	ASTM D5185m	1290	1090	1010	---
Zinc	ppm	ASTM D5185m	1640	1208	1196	---
Sulfur	ppm	ASTM D5185m		4540	3967	---
Visc @ 40°C	cSt	ASTM D445	57.0	51.0	52.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MT0006346
Lab Number : 06150686
Unique Number : 10980764
Test Package : CONST (Additional Tests: PQ)

Received : 16 Apr 2024
Tested : 17 Apr 2024
Diagnosed : 17 Apr 2024 - Wes Davis

MURPHY TRACTOR - CAMBRIDGE
 60611 HULSE DRIVE
 CAMBRIDGE, OH
 US 43725
 Contact: DUSTIN DAILEY
 DDAILEY@MURPHYTRACTOR.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)

T: F: (740)439-2325