



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 2 - Beaver [RO#152529]
Machine Id
JOHN DEERE 650K 1T0650KKPPF435678
Component
Right Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051160	LEC0046840	---
Sample Date		Client Info		26 Jun 2024	02 Jan 2024	---
Machine Age	hrs	Client Info		1024	574	---
Oil Age	hrs	Client Info		1024	574	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	587	745	---
Iron	ppm	ASTM D5185m	>750	501	404	---
Chromium	ppm	ASTM D5185m	>9	5	2	---
Nickel	ppm	ASTM D5185m	>10	2	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>40	16	<1	---
Lead	ppm	ASTM D5185m	>15	<1	0	---
Copper	ppm	ASTM D5185m	>40	2	4	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

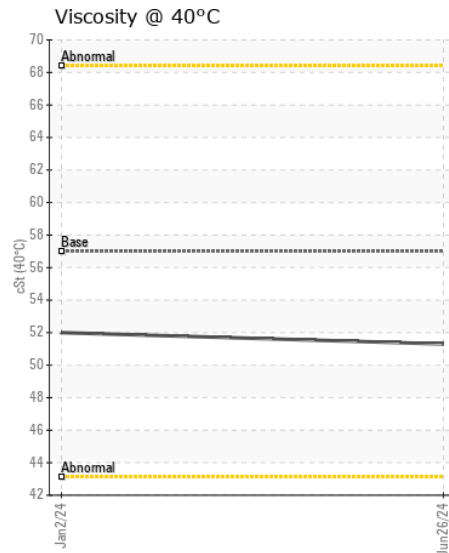
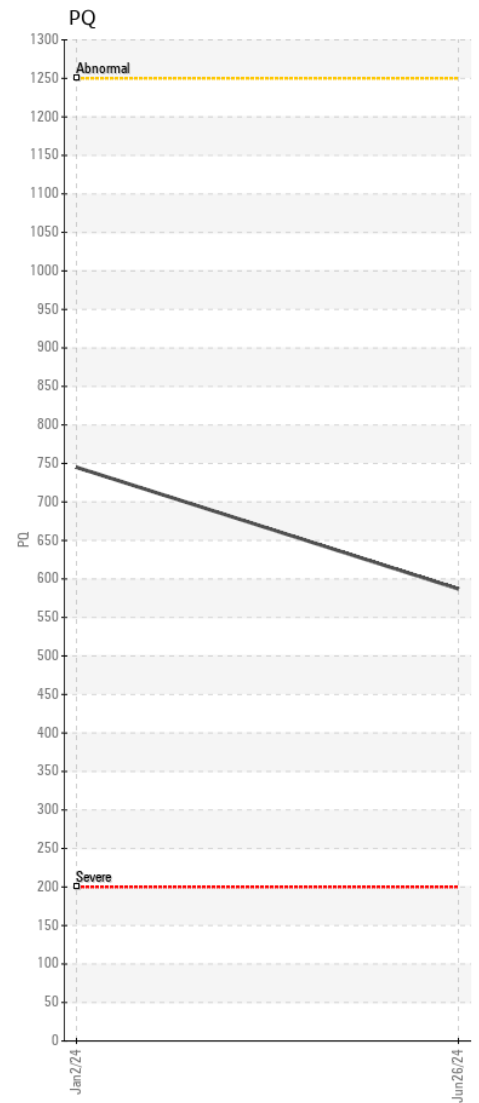
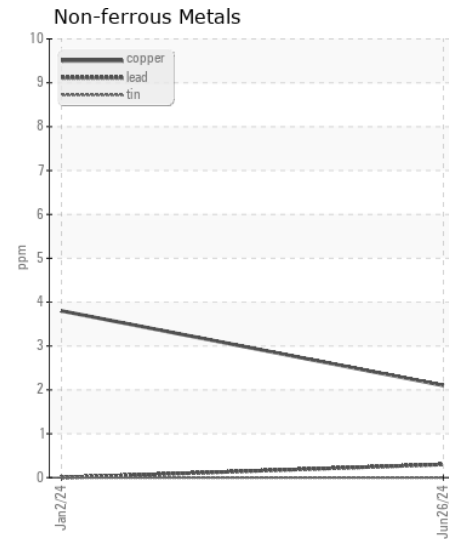
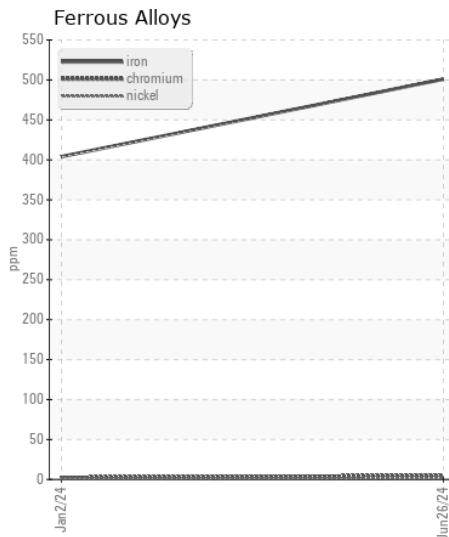
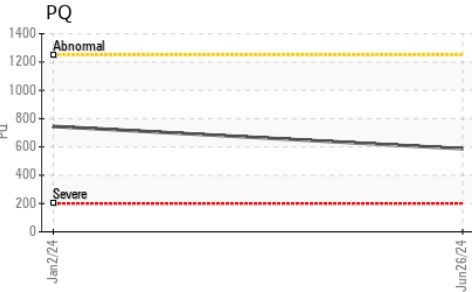
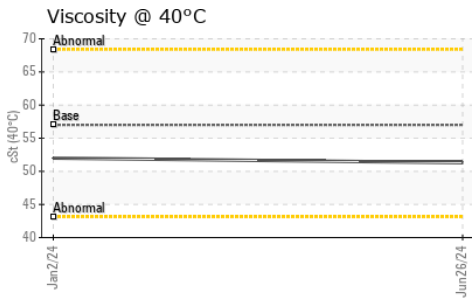
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	42	8	---
Potassium	ppm	ASTM D5185m	>20	5	0	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	MODER	---
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	6	1	---
Boron	ppm	ASTM D5185m	6	0	1	---
Barium	ppm	ASTM D5185m	0	3	1	---
Molybdenum	ppm	ASTM D5185m	0	3	<1	---
Manganese	ppm	ASTM D5185m		9	7	---
Magnesium	ppm	ASTM D5185m	145	103	103	---
Calcium	ppm	ASTM D5185m	3570	3616	3352	---
Phosphorus	ppm	ASTM D5185m	1290	1060	977	---
Zinc	ppm	ASTM D5185m	1640	1193	1226	---
Sulfur	ppm	ASTM D5185m		3856	3454	---
Visc @ 40°C	cSt	ASTM D445	57.0	51.3	52.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051160 **Received** : 05 Jul 2024
Lab Number : 06228958 **Tested** : 08 Jul 2024
Unique Number : 11112451 **Diagnosed** : 08 Jul 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.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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