



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 160G 1FF160GXTNF058789
Component
Left Propel Gearbox
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		LEC0047744	LEC0040417	---
Sample Date		Client Info		23 Feb 2024	01 May 2023	---
Machine Age	hrs	Client Info		989	538	---
Oil Age	hrs	Client Info		451	538	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		None	None	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		149	270	---
Iron	ppm	ASTM D5185m	>1250	158	210	---
Chromium	ppm	ASTM D5185m	>10	3	5	---
Nickel	ppm	ASTM D5185m	>10	<1	1	---
Titanium	ppm	ASTM D5185m		<1	2	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		6	19	---
Lead	ppm	ASTM D5185m		<1	0	---
Copper	ppm	ASTM D5185m		0	<1	---
Tin	ppm	ASTM D5185m		<1	0	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

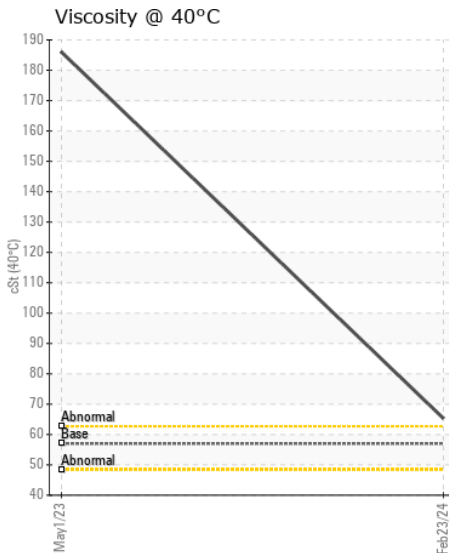
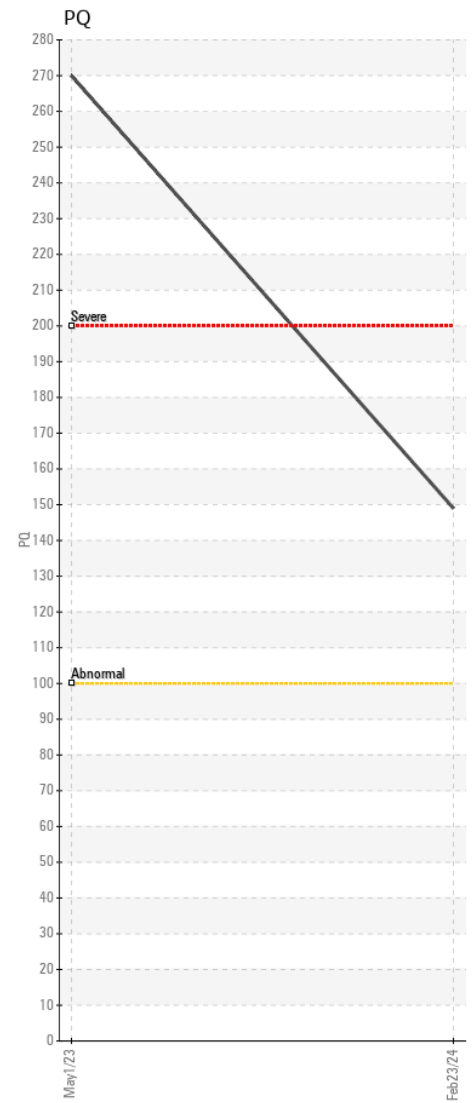
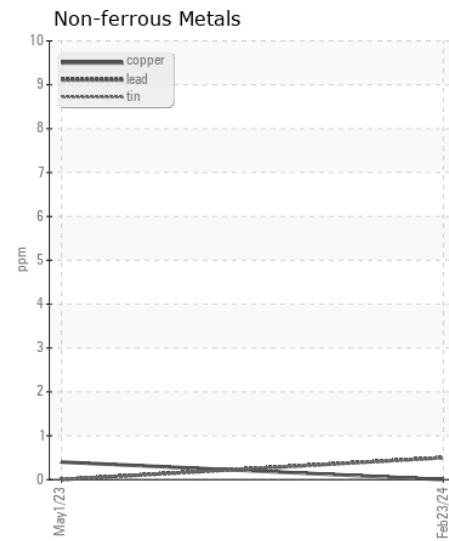
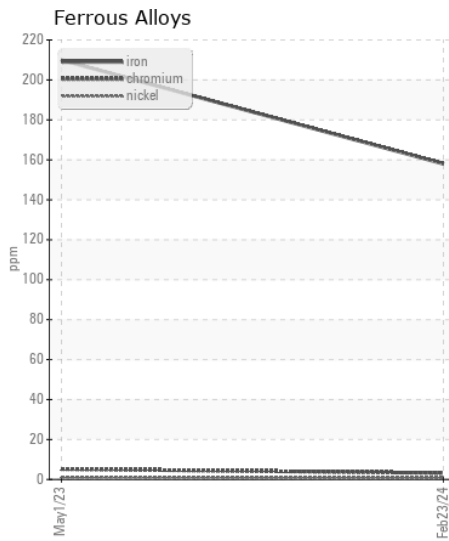
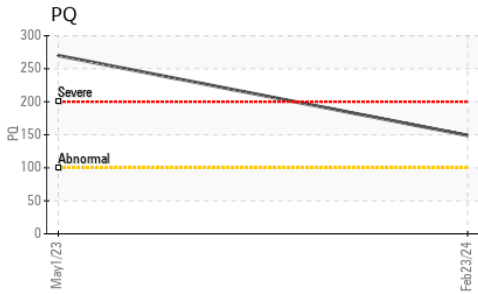
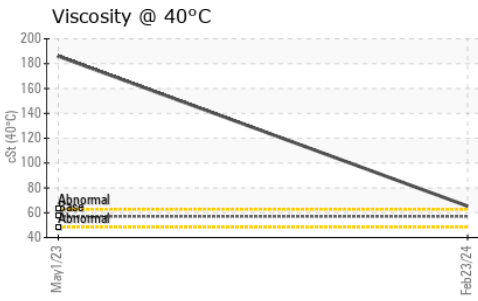
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		34	72	---
Potassium	ppm	ASTM D5185m	>20	<1	5	---
Water		WC Method	>0.2	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	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	2	---
Boron	ppm	ASTM D5185m	6	22	87	---
Barium	ppm	ASTM D5185m	0	2	6	---
Molybdenum	ppm	ASTM D5185m	0	4	0	---
Manganese	ppm	ASTM D5185m		3	9	---
Magnesium	ppm	ASTM D5185m	145	106	3	---
Calcium	ppm	ASTM D5185m	3570	3133	15	---
Phosphorus	ppm	ASTM D5185m	1290	943	555	---
Zinc	ppm	ASTM D5185m	1640	1177	21	---
Sulfur	ppm	ASTM D5185m		5197	18959	---
Visc @ 40°C	cSt	ASTM D445	57.0	65.3	186	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047744 **Received** : 27 Feb 2024
Lab Number : **06102592** **Tested** : 29 Feb 2024
Unique Number : 10900822 **Diagnosed** : 29 Feb 2024 - Don Baldrige
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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