



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 160G 1FF160GXTNF058789
Component
Right 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		LEC0047745	LEC0040419	---
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	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		145	207	---
Iron	ppm	ASTM D5185m	>1250	153	117	---
Chromium	ppm	ASTM D5185m	>10	3	3	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		10	3	---
Lead	ppm	ASTM D5185m		<1	0	---
Copper	ppm	ASTM D5185m		0	<1	---
Tin	ppm	ASTM D5185m		<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

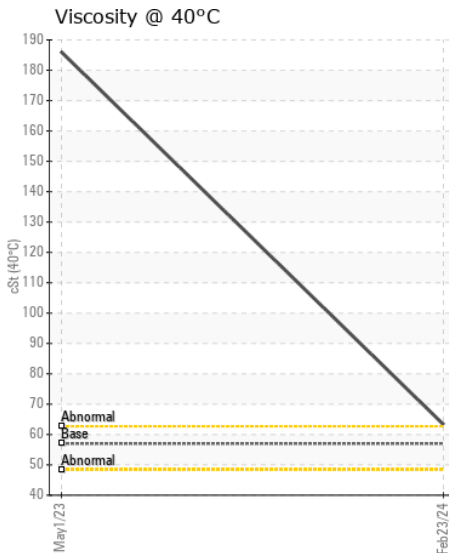
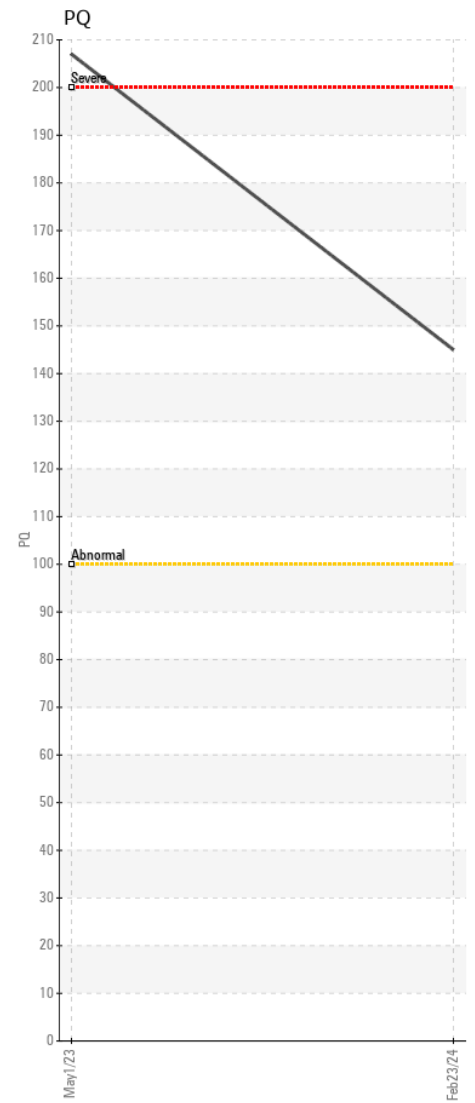
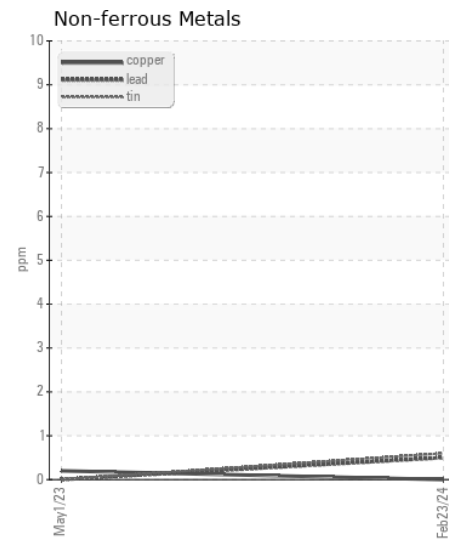
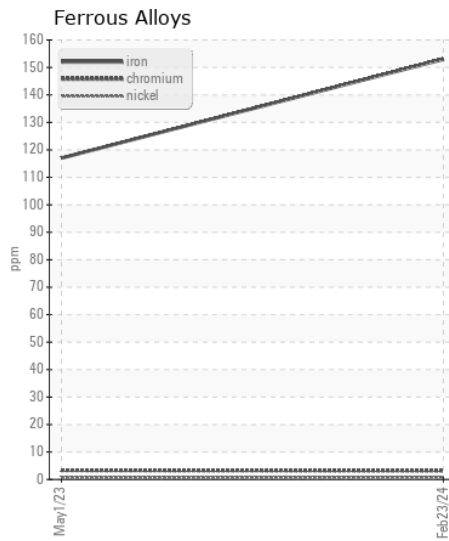
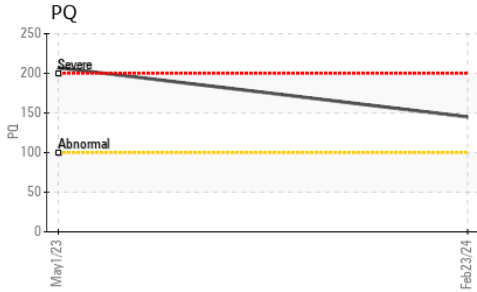
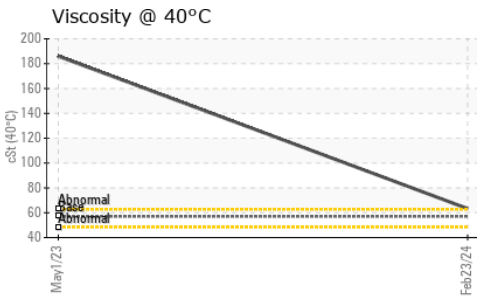
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		46	18	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
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	<1	---
Boron	ppm	ASTM D5185m	6	20	88	---
Barium	ppm	ASTM D5185m	0	2	5	---
Molybdenum	ppm	ASTM D5185m	0	4	<1	---
Manganese	ppm	ASTM D5185m		3	6	---
Magnesium	ppm	ASTM D5185m	145	108	2	---
Calcium	ppm	ASTM D5185m	3570	3292	17	---
Phosphorus	ppm	ASTM D5185m	1290	952	558	---
Zinc	ppm	ASTM D5185m	1640	1222	20	---
Sulfur	ppm	ASTM D5185m		5048	19222	---
Visc @ 40°C	cSt	ASTM D445	57.0	63.3	186	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047745 **Received** : 27 Feb 2024
Lab Number : 06102593 **Tested** : 29 Feb 2024
Unique Number : 10900823 **Diagnosed** : 29 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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 MARIETTA, OH
 US 45750-9765
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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)