



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
Store 3 - Norton
Machine Id
JOHN DEERE 300G 1FF300GXENF732110
Component
Right Propel Gearbox
Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047360	LEC0043099	---
Sample Date		Client Info		12 Jan 2024	06 Sep 2023	---
Machine Age	hrs	Client Info		857	403	---
Oil Age	hrs	Client Info		454	403	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		None	N/A	---
Sample Status				ATTENTION	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		172	319	---
Iron	ppm	ASTM D5185m	>1250	144	238	---
Chromium	ppm	ASTM D5185m	>10	3	6	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		<1	2	---
Lead	ppm	ASTM D5185m		<1	0	---
Copper	ppm	ASTM D5185m		<1	1	---
Tin	ppm	ASTM D5185m		<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

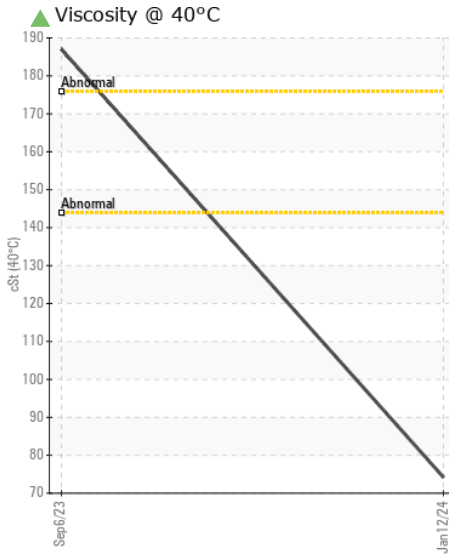
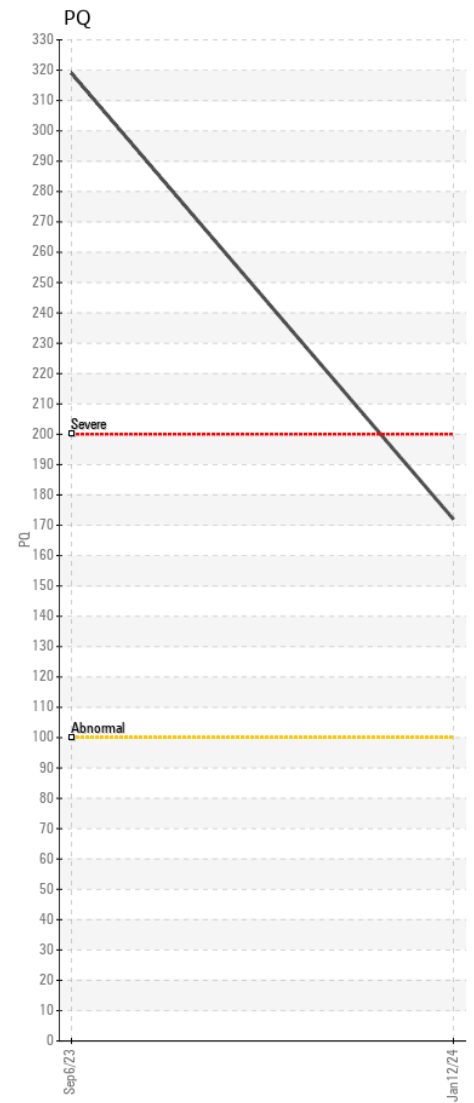
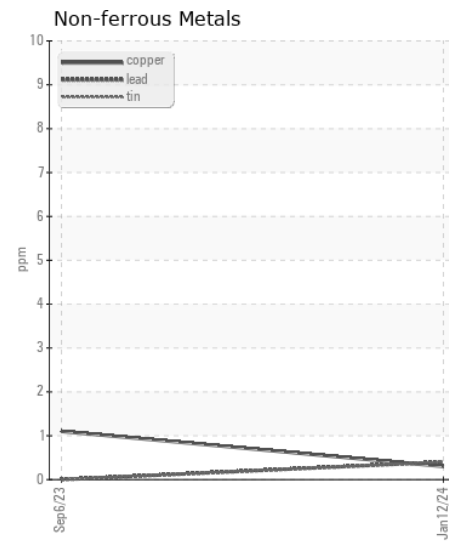
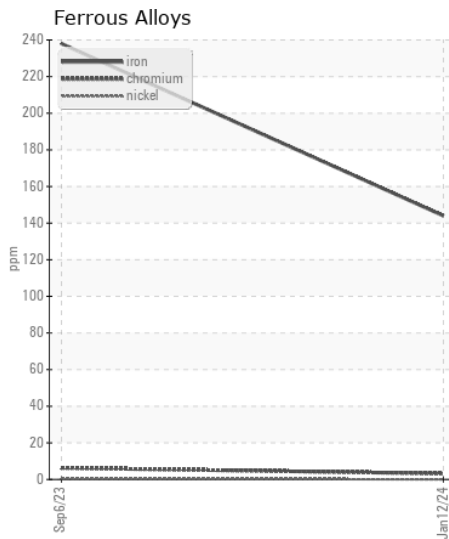
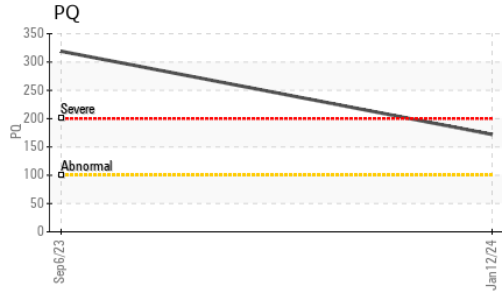
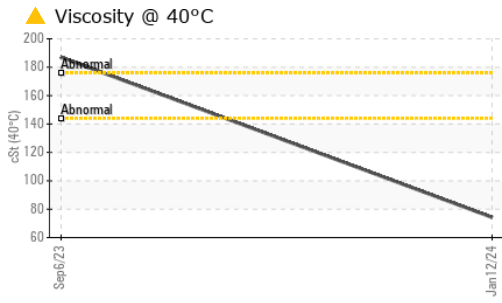
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		8	9	---
Potassium	ppm	ASTM D5185m	>20	3	6	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	LIGHT	---
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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		1	3	---
Boron	ppm	ASTM D5185m		28	62	---
Barium	ppm	ASTM D5185m		<1	4	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		2	6	---
Magnesium	ppm	ASTM D5185m		77	1	---
Calcium	ppm	ASTM D5185m		2534	22	---
Phosphorus	ppm	ASTM D5185m		890	531	---
Zinc	ppm	ASTM D5185m		918	17	---
Sulfur	ppm	ASTM D5185m		6254	18824	---
Visc @ 40°C	cSt	ASTM D445		▲ 74.2	187	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047360 **Received** : 17 Jan 2024
Lab Number : 06063846 **Diagnosed** : 20 Jan 2024
Unique Number : 10835228 **Diagnostician** : 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
 T:
 F: (740)373-5570

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)