



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 9 - Marietta [135211]
Machine Id
JOHN DEERE 304L 1LU304LXLZB048374
Component
Front Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0037277	LEC0023544	LEC0013810
Sample Date		Client Info		03 Jan 2023	08 Nov 2021	31 Jul 2020
Machine Age	hrs	Client Info		5040	4184	2453
Oil Age	hrs	Client Info		1059	4184	2453
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	40	60	191
Iron	ppm	ASTM D5185m	>750	163	123	287
Chromium	ppm	ASTM D5185m	>9	2	1	3
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	2	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	2	3
Lead	ppm	ASTM D5185m	>15	<1	<1	<1
Copper	ppm	ASTM D5185m	>40	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

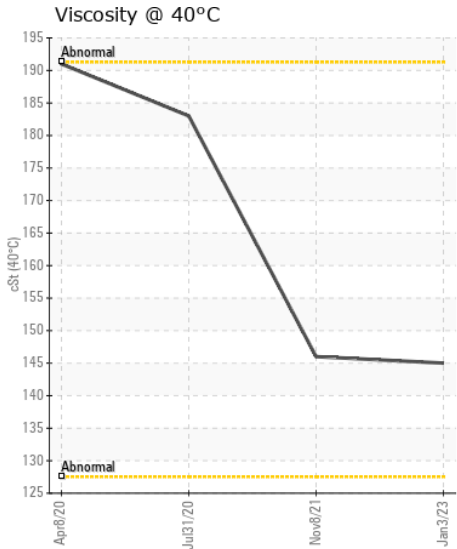
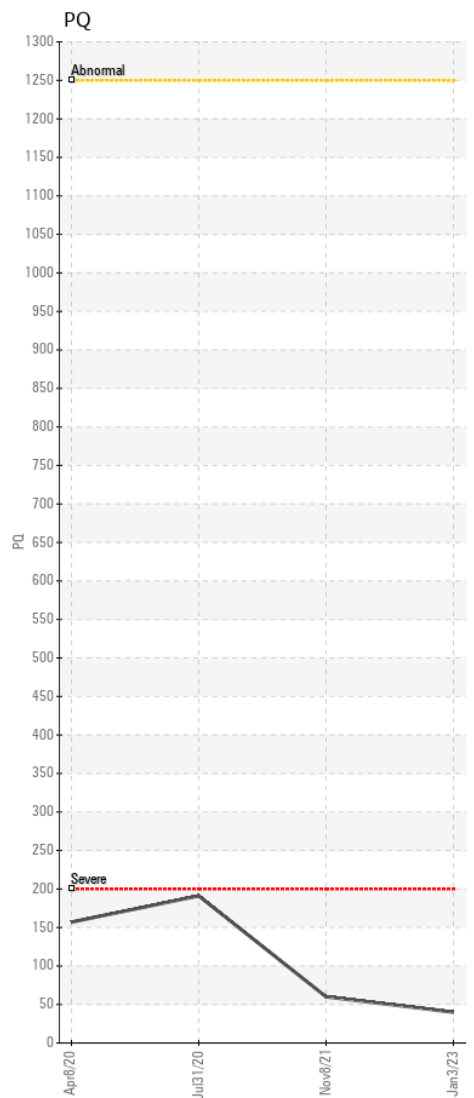
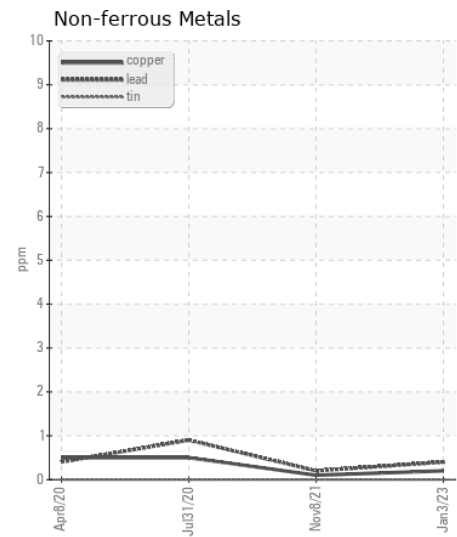
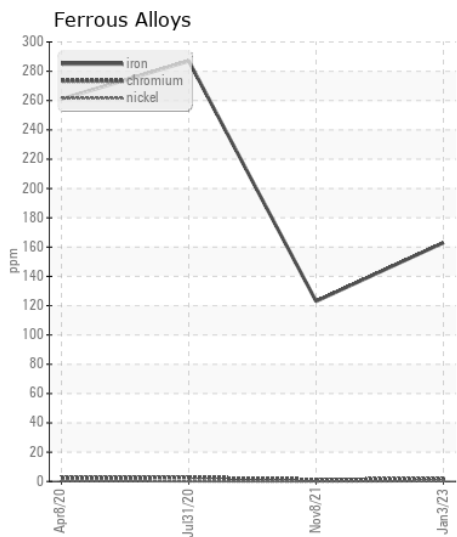
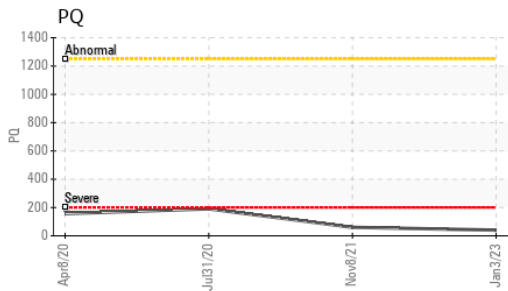
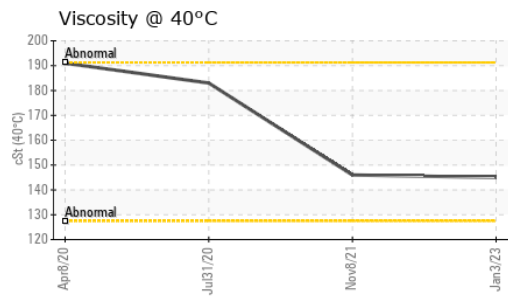
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	3	4	8
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	6	<1	14
Boron	ppm	ASTM D5185m		<1	4	19
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		<1	<1	1
Manganese	ppm	ASTM D5185m		3	2	6
Magnesium	ppm	ASTM D5185m		10	0	0
Calcium	ppm	ASTM D5185m		158	0	16
Phosphorus	ppm	ASTM D5185m		2438	1214	2200
Zinc	ppm	ASTM D5185m		89	0	48
Sulfur	ppm	ASTM D5185m		25056	19951	21744
Visc @ 40°C	cSt	ASTM D445		145	146	183



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0037277 **Received** : 05 Jan 2023
Lab Number : 05731195 **Diagnosed** : 06 Jan 2023
Unique Number : 10280793 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 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)