



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[05W47813]
 Machine Id
JOHN DEERE 410L 1T0410LXLKF350838
 Component
Front Differential
 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		JR0225710	JR0173124	JR0160161
Sample Date		Client Info		28 Jun 2024	01 May 2023	31 Jan 2023
Machine Age	hrs	Client Info		2167	1294	1290
Oil Age	hrs	Client Info		2167	0	1290
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		238	50	320
Iron	ppm	ASTM D5185m	>500	125	52	190
Chromium	ppm	ASTM D5185m	>10	2	<1	2
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	4	2	1
Lead	ppm	ASTM D5185m	>25	<1	0	2
Copper	ppm	ASTM D5185m	>100	95	54	▲ 104
Tin	ppm	ASTM D5185m	>10	1	<1	2
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	MODER	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

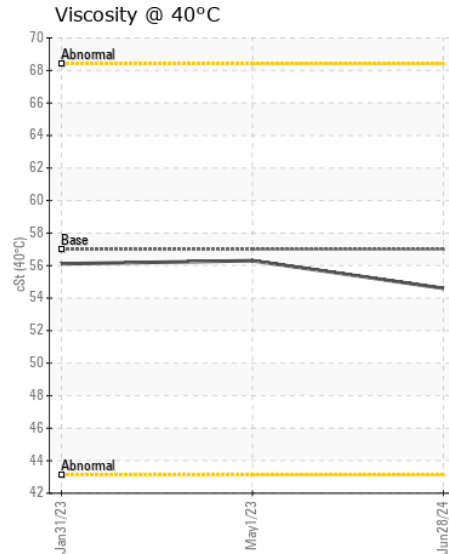
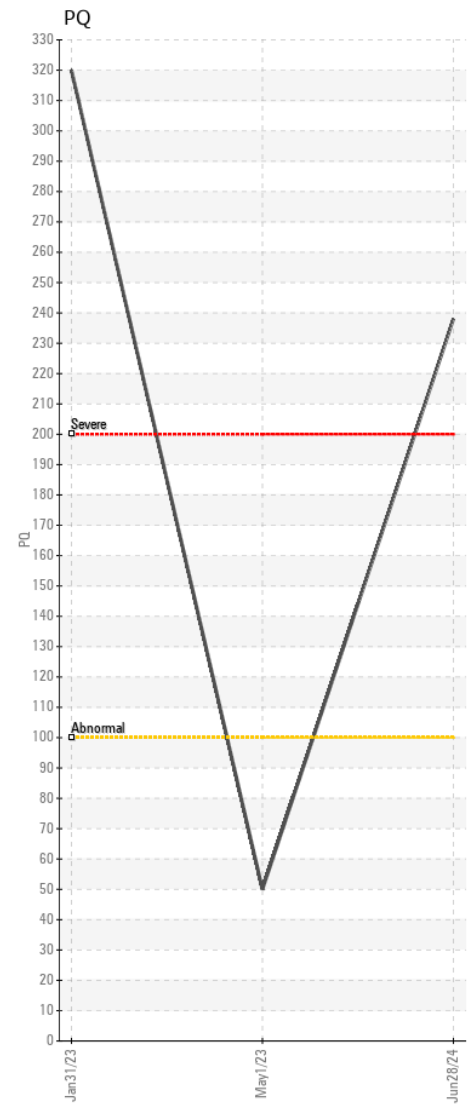
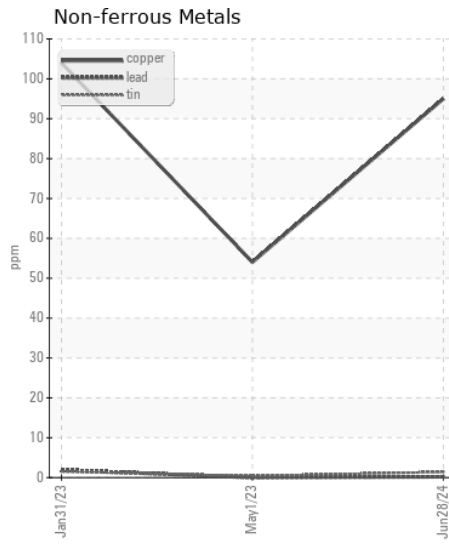
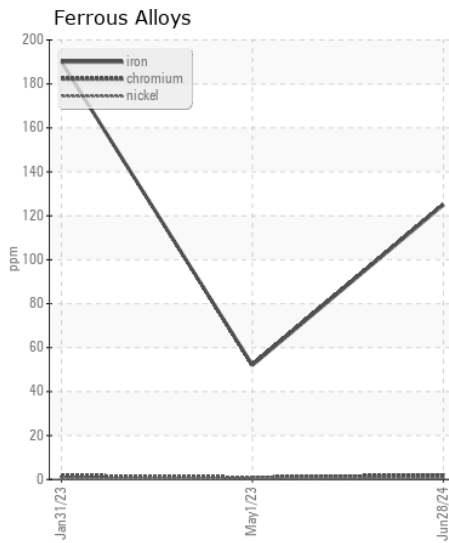
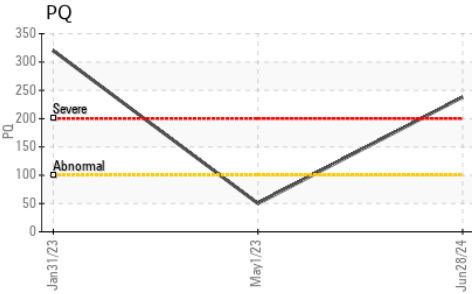
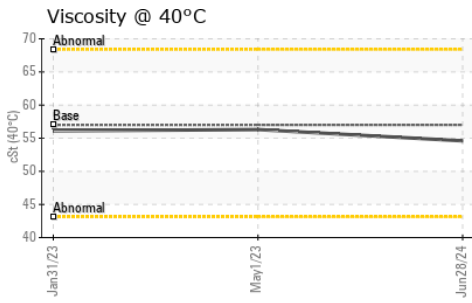
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	20	10	18
Potassium	ppm	ASTM D5185m	>20	3	1	0
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		9	9	12
Boron	ppm	ASTM D5185m	6	91	87	114
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	<1
Manganese	ppm	ASTM D5185m		8	4	9
Magnesium	ppm	ASTM D5185m	145	24	29	13
Calcium	ppm	ASTM D5185m	3570	3307	3358	3255
Phosphorus	ppm	ASTM D5185m	1290	1047	1138	986
Zinc	ppm	ASTM D5185m	1640	1360	1453	1300
Sulfur	ppm	ASTM D5185m		3829	4231	3454
Visc @ 40°C	cSt	ASTM D445	57.0	54.6	56.3	56.11



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225710 **Received** : 01 Jul 2024
Lab Number : 06224730 **Tested** : 02 Jul 2024
Unique Number : 11102927 **Diagnosed** : 02 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
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 US 20111

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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)