



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

[47703]

Machine Id

JOHN DEERE 410L 1T0410LXANF420471

Component

Rear Differential

Fluid

JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0225781	JR0176055	JR0154176
Sample Date		Client Info		27 Jun 2024	22 Jun 2023	05 Dec 2022
Machine Age	hrs	Client Info		1461	945	464
Oil Age	hrs	Client Info		1461	945	464
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		58	59	52
Iron	ppm	ASTM D5185m	>500	149	92	101
Chromium	ppm	ASTM D5185m	>10	1	<1	2
Nickel	ppm	ASTM D5185m	>10	<1	1	2
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	6	0	2
Lead	ppm	ASTM D5185m	>25	0	0	1
Copper	ppm	ASTM D5185m	>100	27	14	15
Tin	ppm	ASTM D5185m	>10	0	<1	1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	MODER	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

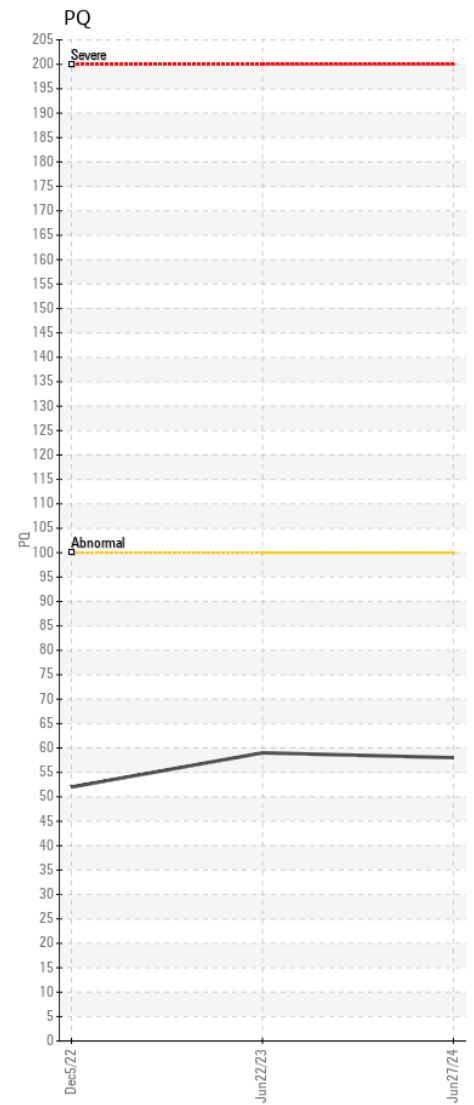
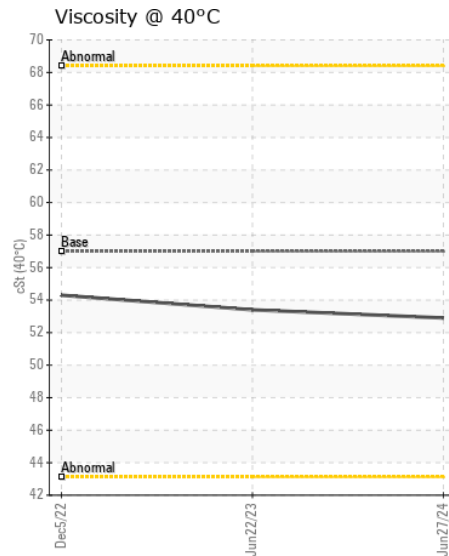
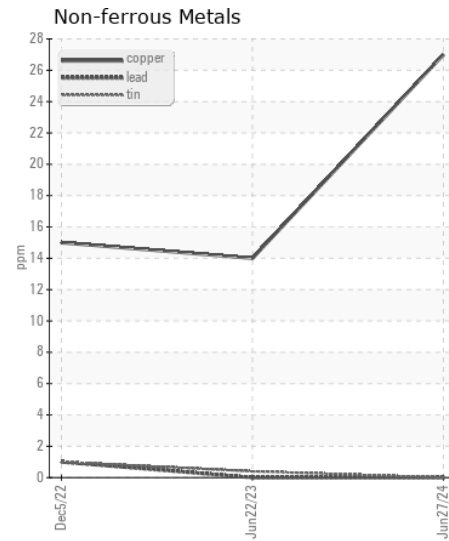
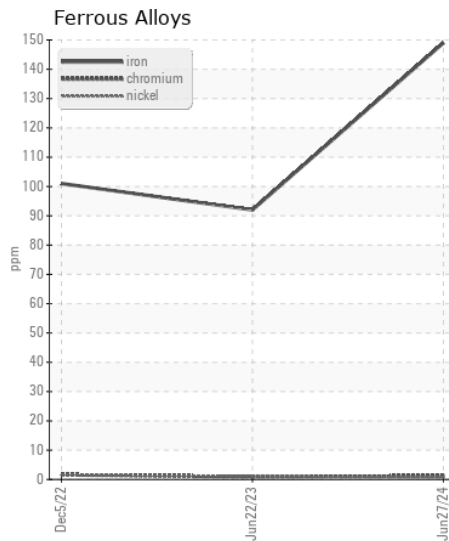
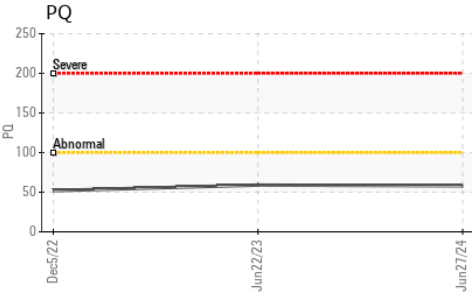
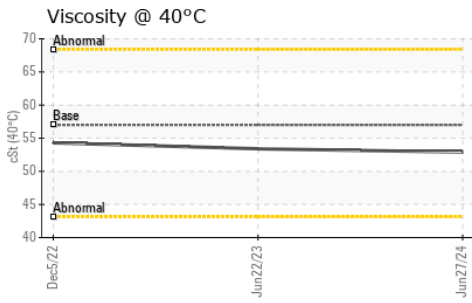
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>75	22	9	14
Potassium	ppm	ASTM D5185m	>20	<1	3	0
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	NONE	LIGHT
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		8	13	6
Boron	ppm	ASTM D5185m	6	<1	9	4
Barium	ppm	ASTM D5185m	0	5	0	3
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		4	3	4
Magnesium	ppm	ASTM D5185m	145	92	43	98
Calcium	ppm	ASTM D5185m	3570	3382	1899	3388
Phosphorus	ppm	ASTM D5185m	1290	1032	520	961
Zinc	ppm	ASTM D5185m	1640	1135	688	1189
Sulfur	ppm	ASTM D5185m		3798	2064	3854
Visc @ 40°C	cSt	ASTM D445	57.0	52.9	53.4	54.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225781 **Received** : 09 Jul 2024
Lab Number : 06231629 **Tested** : 10 Jul 2024
Unique Number : 11115122 **Diagnosed** : 11 Jul 2024 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
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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)