



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 410J 1T0410JXVA0192020
Component
Front 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		JR0191351	JR0141572	JR0093264
Sample Date		Client Info		29 Jan 2024	16 Nov 2022	14 Jun 2021
Machine Age	hrs	Client Info		7450	6939	6497
Oil Age	hrs	Client Info		953	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		3117	687	196
Iron	ppm	ASTM D5185m	>500	925	176	147
Chromium	ppm	ASTM D5185m	>10	3	2	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	<1
Lead	ppm	ASTM D5185m	>25	0	1	0
Copper	ppm	ASTM D5185m	>100	44	17	35
Tin	ppm	ASTM D5185m	>10	2	2	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	HEAVY	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

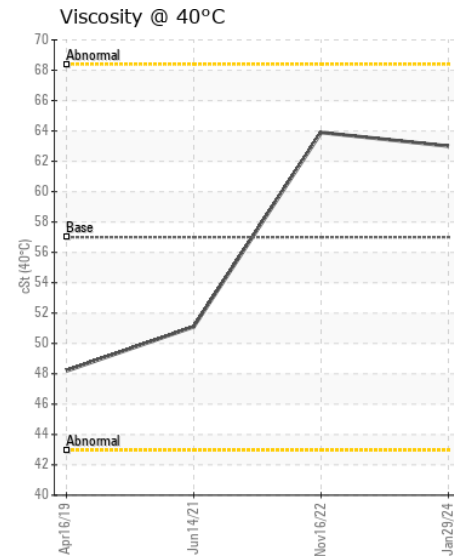
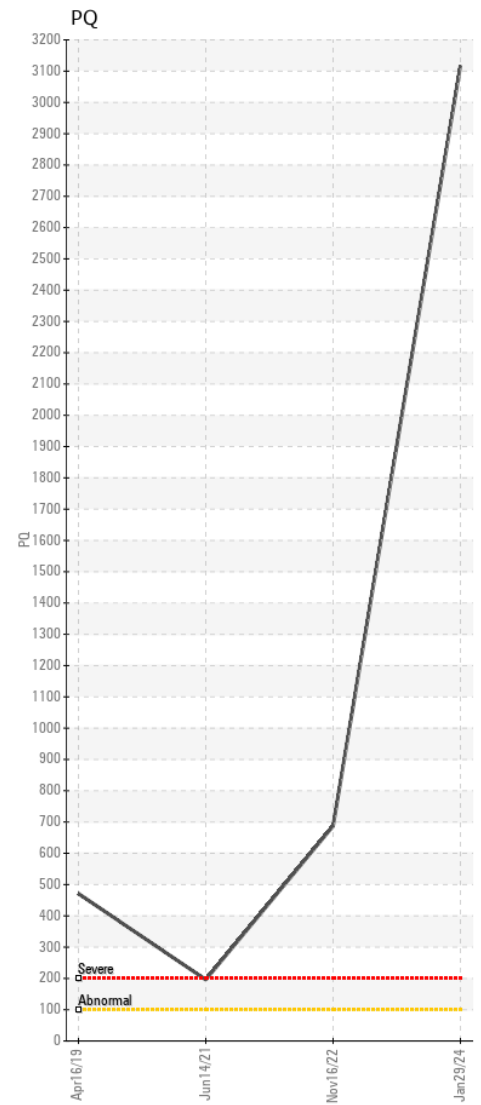
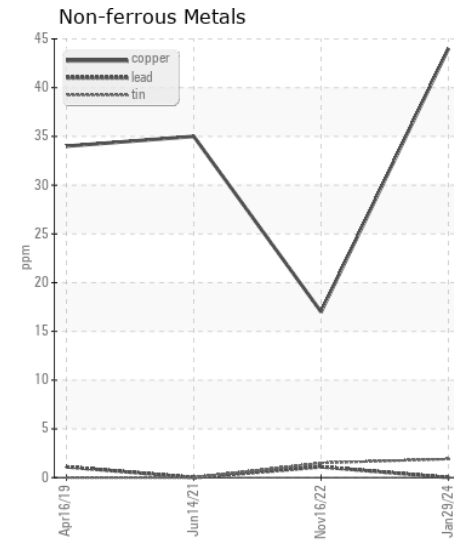
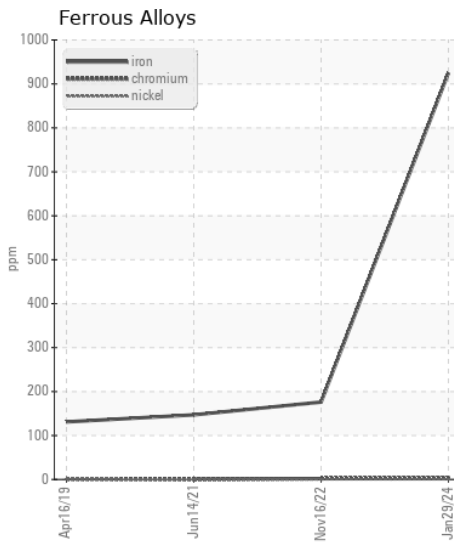
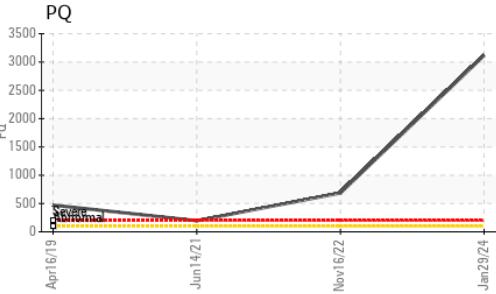
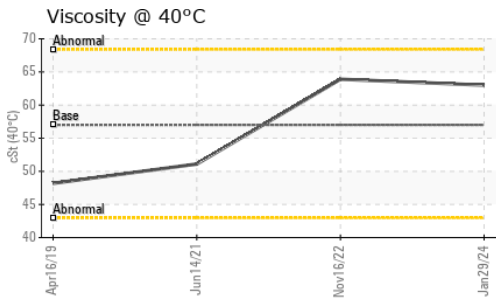
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	22	13	28
Potassium	ppm	ASTM D5185m	>20	3	0	<1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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		16	19	2
Boron	ppm	ASTM D5185m	6	112	117	14
Barium	ppm	ASTM D5185m	0	1	<1	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	8
Manganese	ppm	ASTM D5185m		12	6	2
Magnesium	ppm	ASTM D5185m	145	14	20	89
Calcium	ppm	ASTM D5185m	3570	3314	3691	3471
Phosphorus	ppm	ASTM D5185m	1290	1096	1144	1030
Zinc	ppm	ASTM D5185m	1640	1423	1469	1223
Sulfur	ppm	ASTM D5185m		3771	3985	3700
Visc @ 40°C	cSt	ASTM D445	57.0	63.0	63.9	51.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0191351 **Received** : 01 Feb 2024
Lab Number : 06077160 **Diagnosed** : 03 Feb 2024
Unique Number : 10859251 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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)

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