



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 410J 1T0410JXVA0192020
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		JR0185068	JR0141573	JR0093263
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		55	40	45
Iron	ppm	ASTM D5185m	>500	109	80	205
Chromium	ppm	ASTM D5185m	>10	<1	1	2
Nickel	ppm	ASTM D5185m	>10	2	2	4
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	4	5
Lead	ppm	ASTM D5185m	>25	<1	1	2
Copper	ppm	ASTM D5185m	>100	20	14	66
Tin	ppm	ASTM D5185m	>10	<1	<1	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

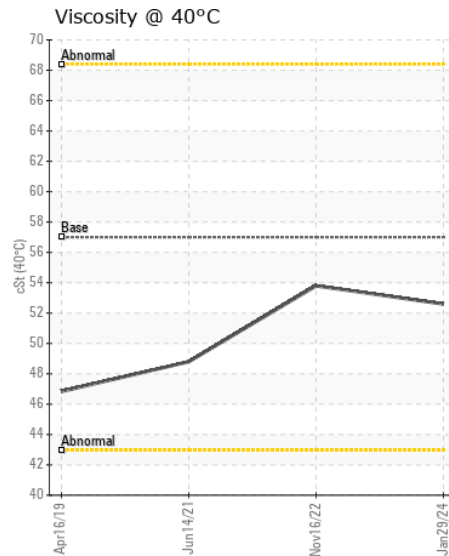
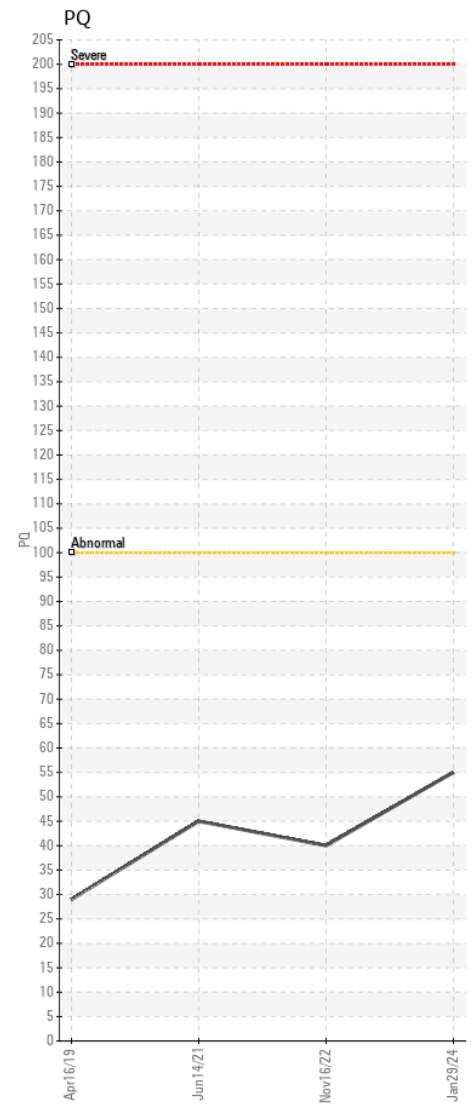
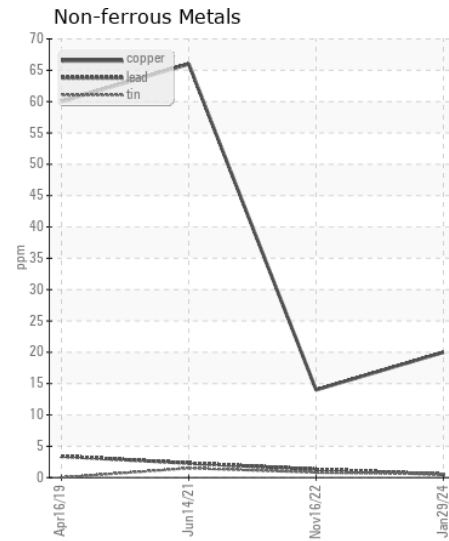
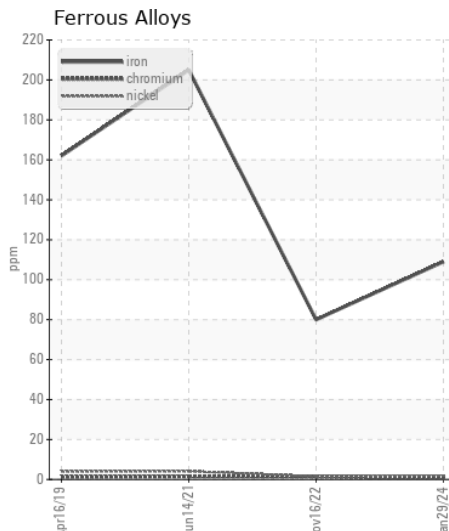
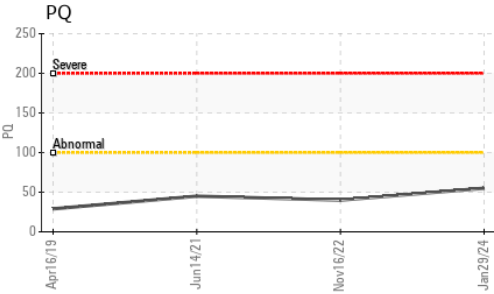
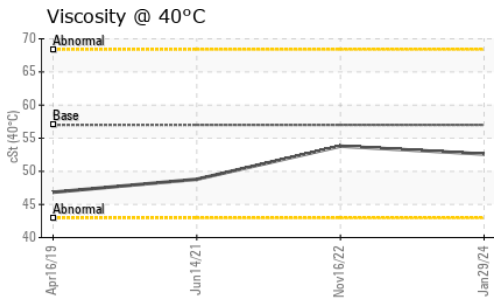
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	27	23	40
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water		WC Method	>.2	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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	2	4
Boron	ppm	ASTM D5185m	6	3	7	5
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	3	3	<1
Manganese	ppm	ASTM D5185m		2	2	4
Magnesium	ppm	ASTM D5185m	145	107	111	96
Calcium	ppm	ASTM D5185m	3570	3280	3534	3543
Phosphorus	ppm	ASTM D5185m	1290	973	988	1053
Zinc	ppm	ASTM D5185m	1640	1174	1191	1176
Sulfur	ppm	ASTM D5185m		3557	3983	3628
Visc @ 40°C	cSt	ASTM D445	57.0	52.6	53.8	48.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0185068 **Received** : 01 Feb 2024
Lab Number : 06077162 **Diagnosed** : 02 Feb 2024
Unique Number : 10859253 **Diagnostician** : Wes Davis
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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