



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 410L 1T0410LXJKF358237
 Component
Rear Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0224980	JR0139898	JR0111213
Sample Date		Client Info		14 Jun 2024	31 Aug 2022	26 Jan 2022
Machine Age	hrs	Client Info		1958	1470	991
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
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		180	128	258
Iron	ppm	ASTM D5185m	>500	742	782	598
Chromium	ppm	ASTM D5185m	>10	5	5	3
Nickel	ppm	ASTM D5185m	>10	2	3	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	4	2
Lead	ppm	ASTM D5185m	>25	<1	<1	<1
Copper	ppm	ASTM D5185m	>100	30	29	22
Tin	ppm	ASTM D5185m	>10	1	2	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

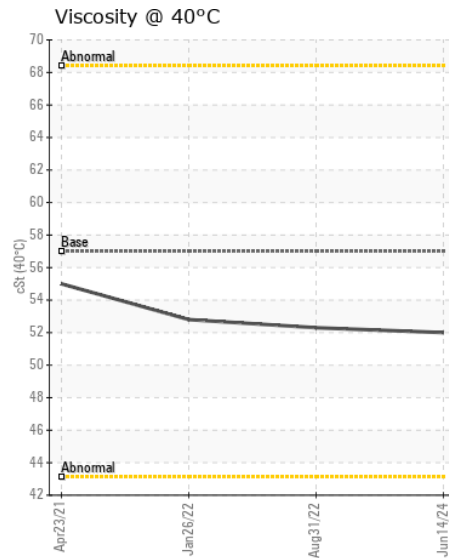
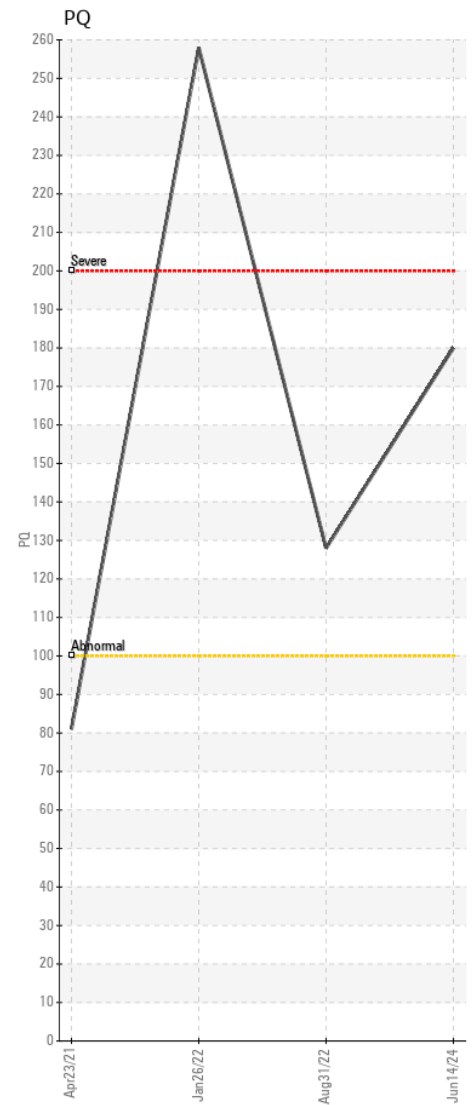
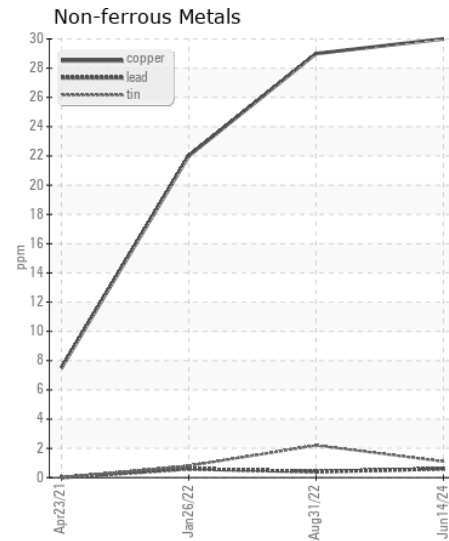
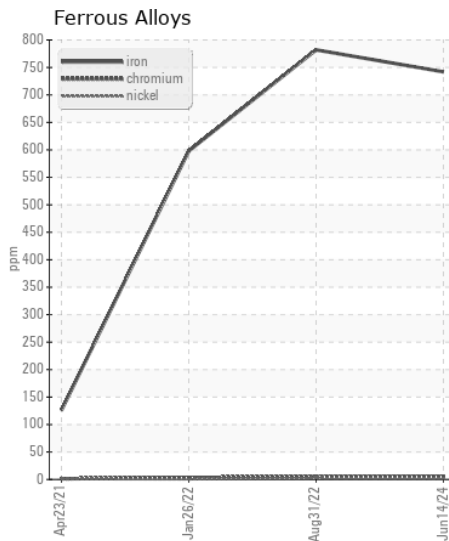
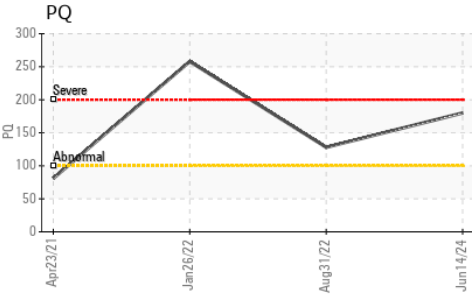
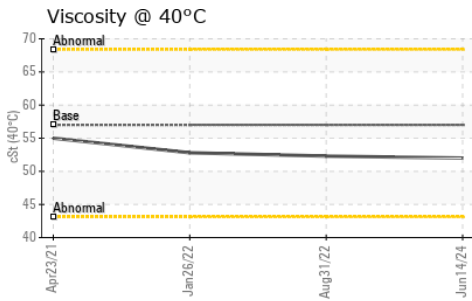
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	22	19	16
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
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	5	6
Boron	ppm	ASTM D5185m	6	6	11	6
Barium	ppm	ASTM D5185m	0	4	4	4
Molybdenum	ppm	ASTM D5185m	0	3	2	2
Manganese	ppm	ASTM D5185m		9	9	8
Magnesium	ppm	ASTM D5185m	145	106	108	102
Calcium	ppm	ASTM D5185m	3570	3617	3341	3299
Phosphorus	ppm	ASTM D5185m	1290	1095	998	940
Zinc	ppm	ASTM D5185m	1640	1231	1176	1166
Sulfur	ppm	ASTM D5185m		4504	3546	3127
Visc @ 40°C	cSt	ASTM D445	57.0	52.0	52.3	52.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224980 **Received** : 21 Jun 2024
Lab Number : 06217076 **Tested** : 24 Jun 2024
Unique Number : 11089940 **Diagnosed** : 24 Jun 2024 - Sean Felton
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)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005

Contact: DAVID ZIEG
 dzieg@jamesriverequipment.com

T: (804)798-6001
 F: (804)798-0292