



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 748L 1DW748LBLPF717017

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		JR0103235	JR0193864	JR0180947
Sample Date		Client Info		17 Mar 2024	11 Jan 2024	22 Aug 2023
Machine Age	hrs	Client Info		1933	1561	1115
Oil Age	hrs	Client Info		1487	446	586
Filter Age	hrs	Client Info		0	0	586
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		25	28	30
Iron	ppm	ASTM D5185m	>500	164	51	71
Chromium	ppm	ASTM D5185m	>10	1	<1	<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	4	2	2
Lead	ppm	ASTM D5185m	>25	<1	1	1
Copper	ppm	ASTM D5185m	>100	10	11	14
Tin	ppm	ASTM D5185m	>10	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

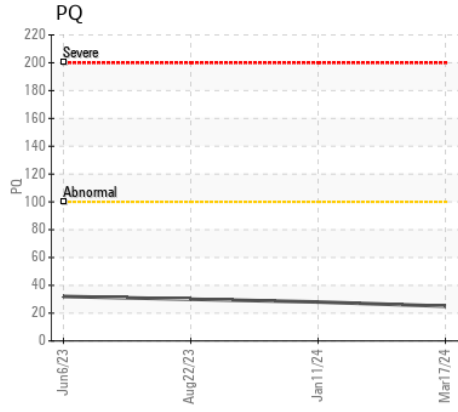
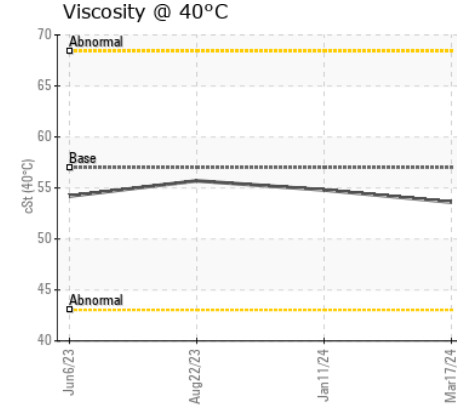
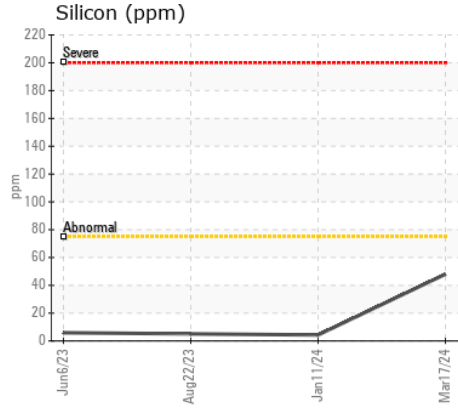
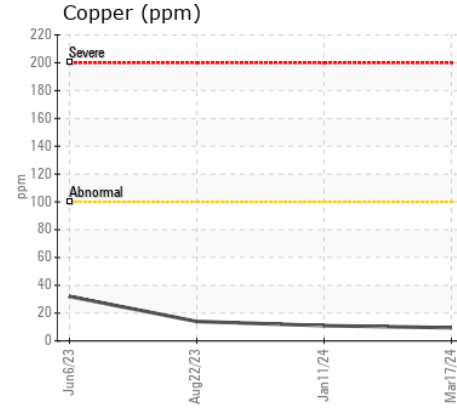
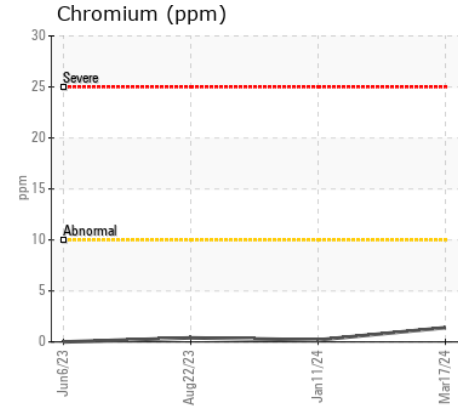
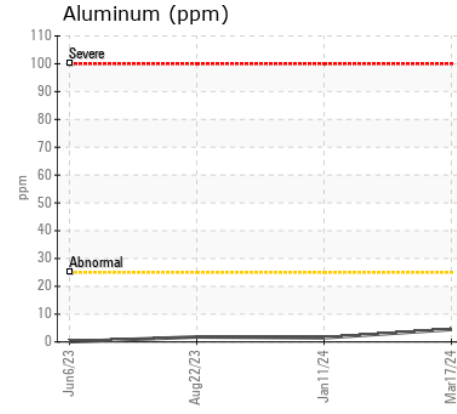
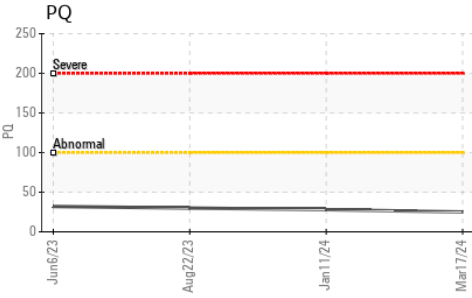
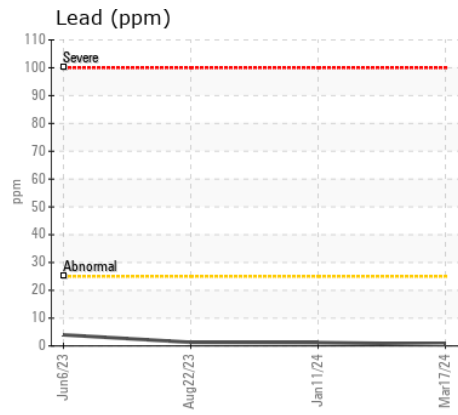
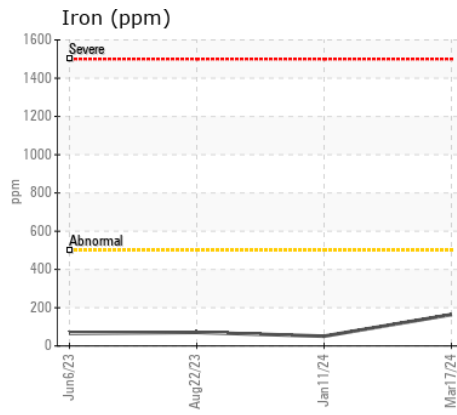
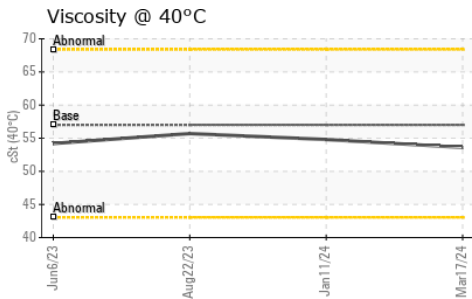
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	48	4	5
Potassium	ppm	ASTM D5185m	>20	3	2	<1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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		<1	0	3
Boron	ppm	ASTM D5185m	6	4	0	2
Barium	ppm	ASTM D5185m	0	0	3	0
Molybdenum	ppm	ASTM D5185m	0	1	1	3
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m	145	97	105	115
Calcium	ppm	ASTM D5185m	3570	3276	3521	3520
Phosphorus	ppm	ASTM D5185m	1290	1014	1081	1036
Zinc	ppm	ASTM D5185m	1640	1235	1290	1272
Sulfur	ppm	ASTM D5185m		5383	4085	4499
Visc @ 40°C	cSt	ASTM D445	57.0	53.6	54.8	55.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0103235 **Received** : 19 Mar 2024
Lab Number : 06122709 **Tested** : 20 Mar 2024
Unique Number : 10936860 **Diagnosed** : 20 Mar 2024 - Wes Davis
Test Package : MOBCE (Additional Tests: PQ)

JRE - GREENVILLE
 3604 HIGHWAY 264 E
 GREENVILLE, NC
 US 27834-5800

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)

Contact: GREENVILLE SHOP
 christopher.martin@jamesriverequipment.com

T:
 F: