



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[G14389]

Machine Id

JOHN DEERE 844L 1DW844LXPNL715296

Component

Rear Axle

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		WE0006043	WE0004677	WE0003226
Sample Date		Client Info		23 Feb 2024	16 Oct 2023	25 Mar 2023
Machine Age	hrs	Client Info		1969	1337	528
Oil Age	hrs	Client Info		1969	0	528
Filter Age	hrs	Client Info		1969	0	528
Oil Changed		Client Info		Not Chngd	Not Chngd	Changed
Filter Changed		Client Info		Not Chngd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

PQ		ASTM D8184		103	69	149
Iron	ppm	ASTM D5185m	>750	173	111	145
Chromium	ppm	ASTM D5185m	>11	1	<1	2
Nickel	ppm	ASTM D5185m	>10	3	2	2
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	1	1	2
Lead	ppm	ASTM D5185m	>49	8	6	3
Copper	ppm	ASTM D5185m	>101	132	100	74
Tin	ppm	ASTM D5185m	>10	5	3	3
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

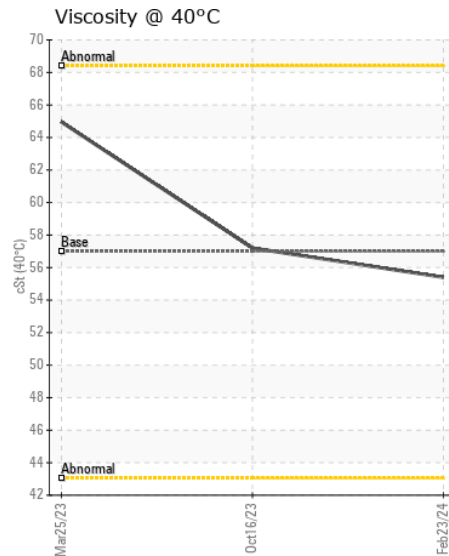
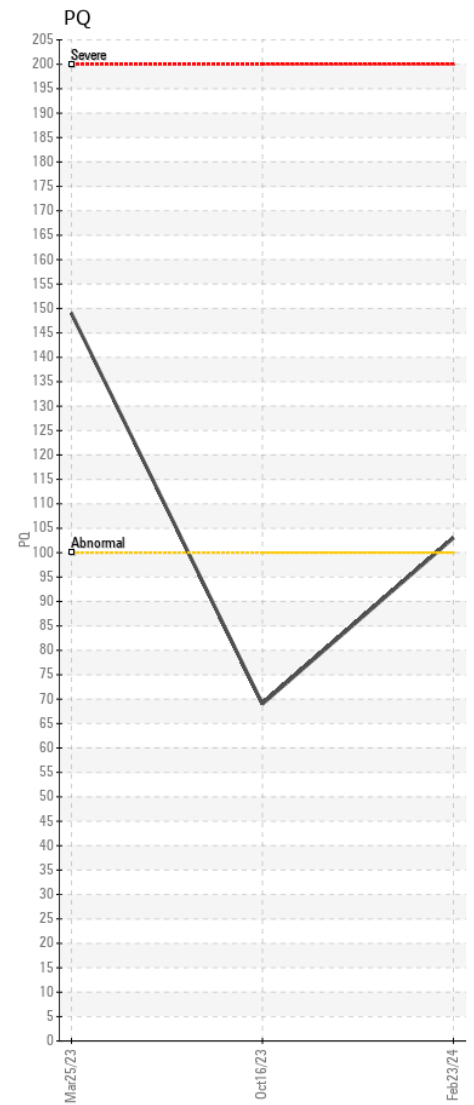
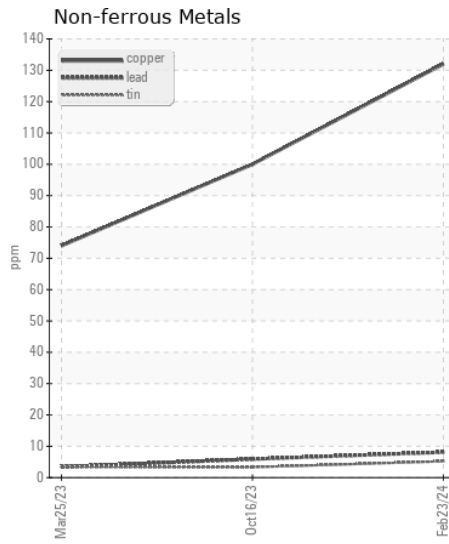
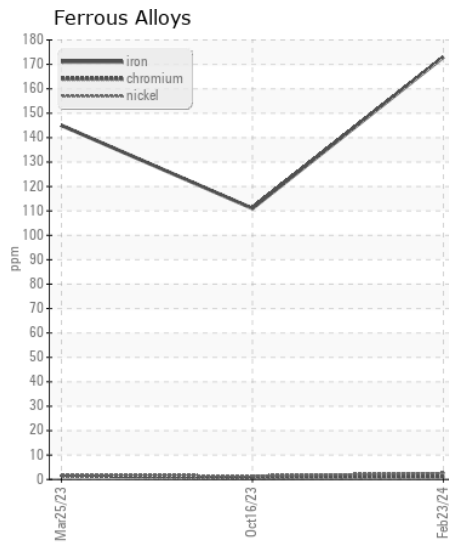
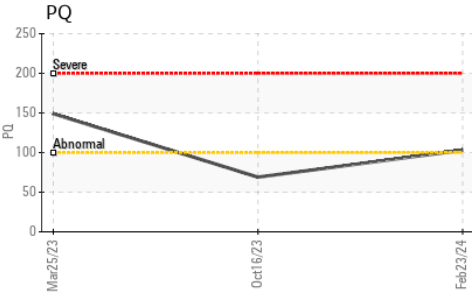
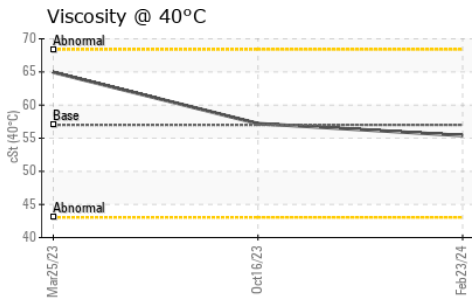
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	13	13	10
Potassium	ppm	ASTM D5185m	>20	<1	0	2
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	6	6	15
Boron	ppm	ASTM D5185m	6	27	34	98
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		23	20	40
Magnesium	ppm	ASTM D5185m	145	89	84	17
Calcium	ppm	ASTM D5185m	3570	3937	3491	3318
Phosphorus	ppm	ASTM D5185m	1290	1133	1067	1093
Zinc	ppm	ASTM D5185m	1640	1483	1356	1413
Sulfur	ppm	ASTM D5185m		3605	3886	3668
Visc @ 40°C	cSt	ASTM D445	57.0	55.4	57.2	64.95



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WE0006043

Lab Number : 06104548

Unique Number : 10902778

Test Package : CONST (Additional Tests: PQ)

Received : 29 Feb 2024

Tested : 01 Mar 2024

Diagnosed : 04 Mar 2024 - Don Baldrige

WARRIOR TRACTOR AND EQUIPMENT - GRAYSVILLE

4308 WATER TRAIL

GRAYSVILLE, AL

US 35073

Contact: LERAE REGAN

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F:

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)