



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[G14389]

Machine Id

JOHN DEERE 844L 1DW844LXPNL715296

Component

Front 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		WE0006044	WE0004676	WE0003227
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 Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

PQ		ASTM D8184		1061	584	653
Iron	ppm	ASTM D5185m	>750	1045	772	584
Chromium	ppm	ASTM D5185m	>11	7	5	5
Nickel	ppm	ASTM D5185m	>10	5	3	3
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	2	2	3
Lead	ppm	ASTM D5185m	>49	17	16	6
Copper	ppm	ASTM D5185m	>101	156	148	91
Tin	ppm	ASTM D5185m	>10	5	4	2
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

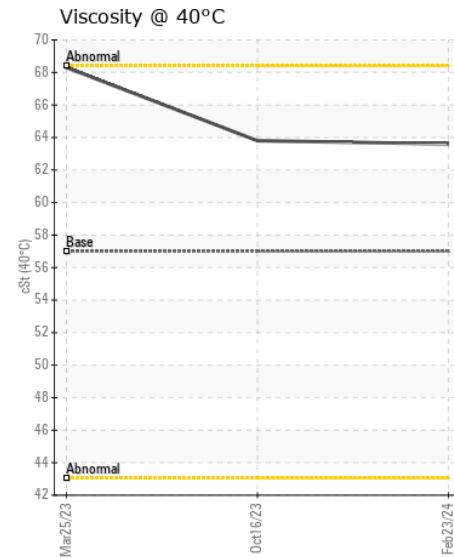
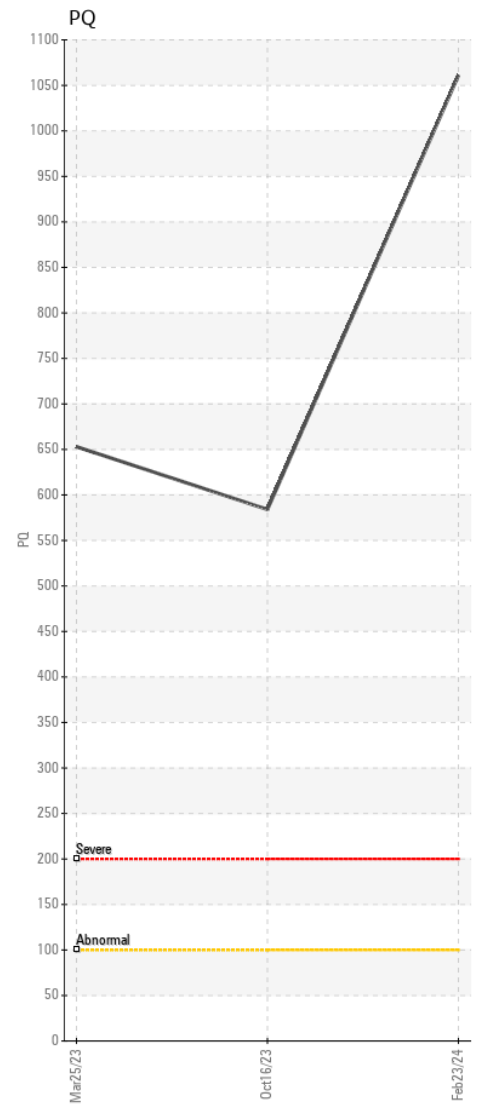
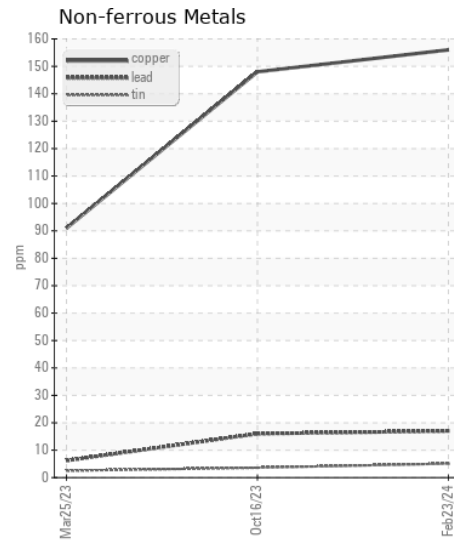
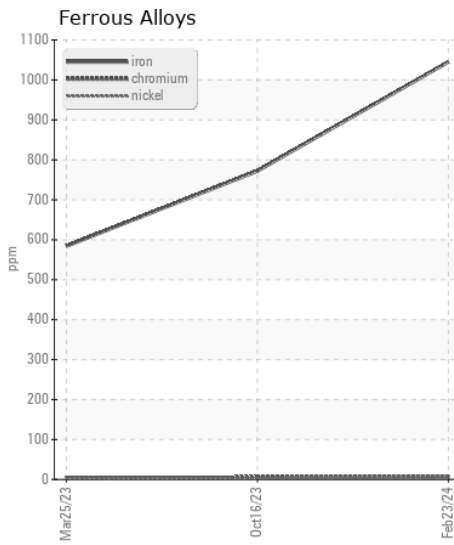
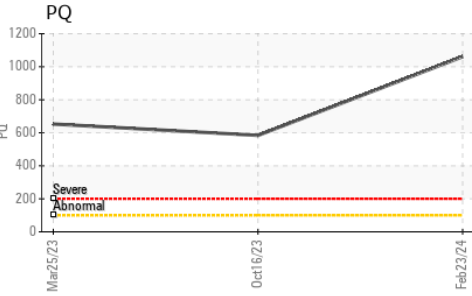
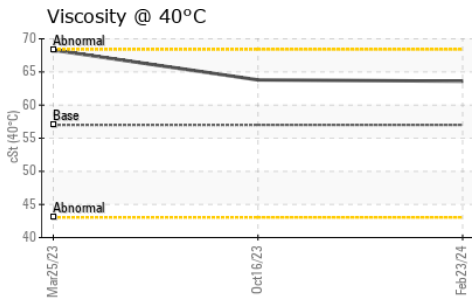
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	16	14	12
Potassium	ppm	ASTM D5185m	>20	<1	<1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	MODER
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	15	16	16
Boron	ppm	ASTM D5185m	6	84	101	100
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	4	4	4
Manganese	ppm	ASTM D5185m		41	35	36
Magnesium	ppm	ASTM D5185m	145	7	15	14
Calcium	ppm	ASTM D5185m	3570	3475	3321	3405
Phosphorus	ppm	ASTM D5185m	1290	1135	1138	1115
Zinc	ppm	ASTM D5185m	1640	1443	1364	1388
Sulfur	ppm	ASTM D5185m		3073	3316	3683
Visc @ 40°C	cSt	ASTM D445	57.0	63.6	63.8	68.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0006044 **Received** : 29 Feb 2024
Lab Number : 06104547 **Tested** : 01 Mar 2024
Unique Number : 10902777 **Diagnosed** : 04 Mar 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

WARRIOR TRACTOR AND EQUIPMENT - GRAYSVILLE
 4308 WATER TRAIL
 GRAYSVILLE, AL
 US 35073
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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)