



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[16W15784]

Machine Id

JOHN DEERE 844L 1DW844LXANL714138

Component

Front Axle

Fluid

JOHN DEERE HY-GARD HYD/TRANS (18 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W15784)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206949	JR0185642	JR0173622
Sample Date		Client Info		16 Mar 2024	11 Nov 2023	24 Jun 2023
Machine Age	hrs	Client Info		2502	2041	1597
Oil Age	hrs	Client Info		461	1530	1086
Filter Age	hrs	Client Info		461	975	1086
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		45	89	91
Iron	ppm	ASTM D5185m	>750	64	194	156
Chromium	ppm	ASTM D5185m	>11	<1	<1	1
Nickel	ppm	ASTM D5185m	>10	<1	2	1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	2	<1	2
Lead	ppm	ASTM D5185m	>49	1	11	4
Copper	ppm	ASTM D5185m	>101	94	▲ 384	▲ 248
Tin	ppm	ASTM D5185m	>10	3	8	7
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

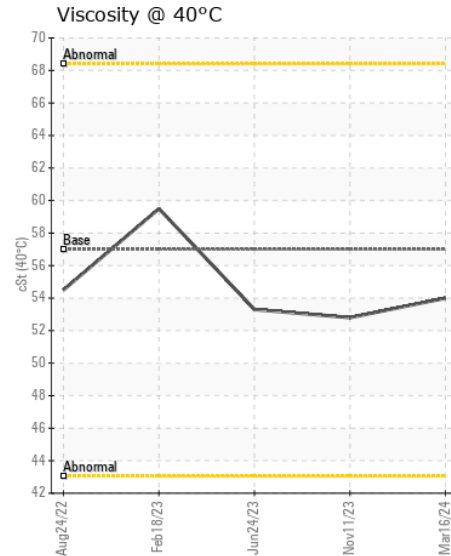
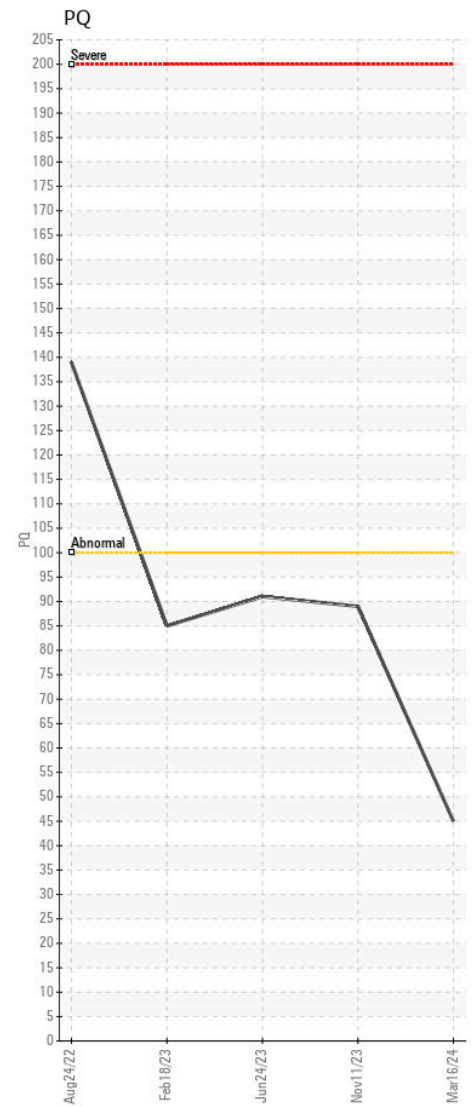
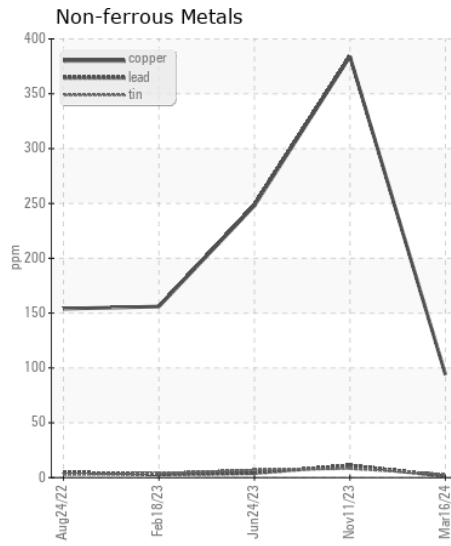
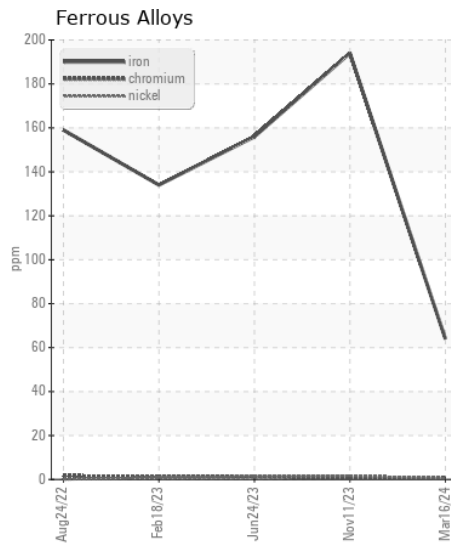
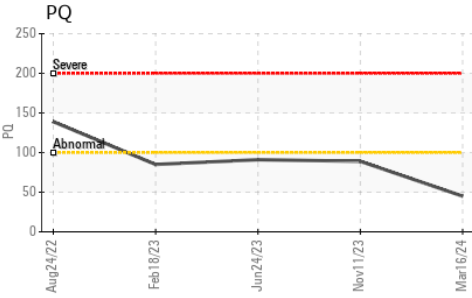
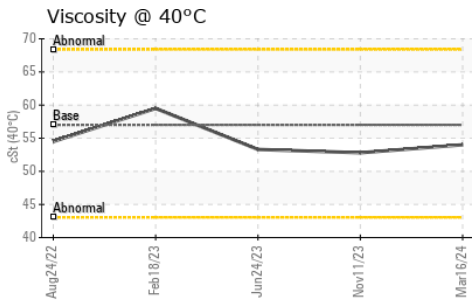
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	8	11	10
Potassium	ppm	ASTM D5185m	>20	2	0	<1
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	0	6	5
Boron	ppm	ASTM D5185m	6	10	16	16
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	6	0	<1
Manganese	ppm	ASTM D5185m		6	24	24
Magnesium	ppm	ASTM D5185m	145	116	86	91
Calcium	ppm	ASTM D5185m	3570	3365	3267	3456
Phosphorus	ppm	ASTM D5185m	1290	1028	1030	1059
Zinc	ppm	ASTM D5185m	1640	1264	1251	1361
Sulfur	ppm	ASTM D5185m		3875	3506	4301
Visc @ 40°C	cSt	ASTM D445	57.0	54.0	52.8	53.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206949 **Received** : 19 Mar 2024
Lab Number : 06122690 **Tested** : 20 Mar 2024
Unique Number : 10936841 **Diagnosed** : 21 Mar 2024 - Don Baldrige
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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