



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[16W15986]
 Machine Id
JOHN DEERE 843L-II 1DW843LBKNF713806
 Component
Front Axle
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (30 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W15986)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0185579	JR0185582	JR0173308
Sample Date		Client Info		09 Apr 2024	30 Nov 2023	19 Jun 2023
Machine Age	hrs	Client Info		2272	1771	1150
Oil Age	hrs	Client Info		1122	621	633
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		50	43	41
Iron	ppm	ASTM D5185m	>750	248	58	73
Chromium	ppm	ASTM D5185m	>11	2	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	1	1	2
Lead	ppm	ASTM D5185m	>49	12	0	0
Copper	ppm	ASTM D5185m	>101	5	2	4
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

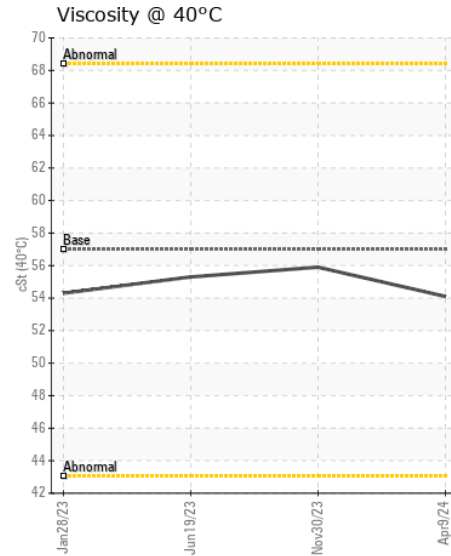
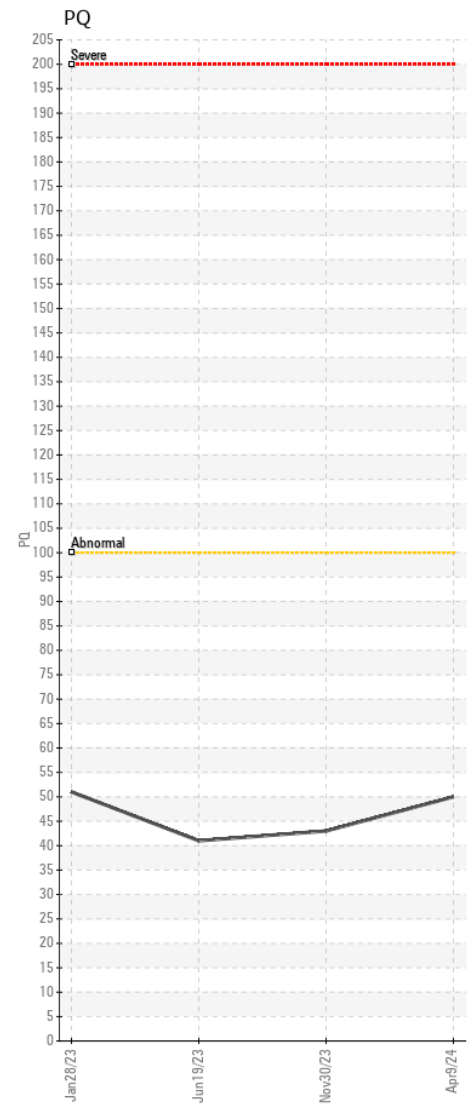
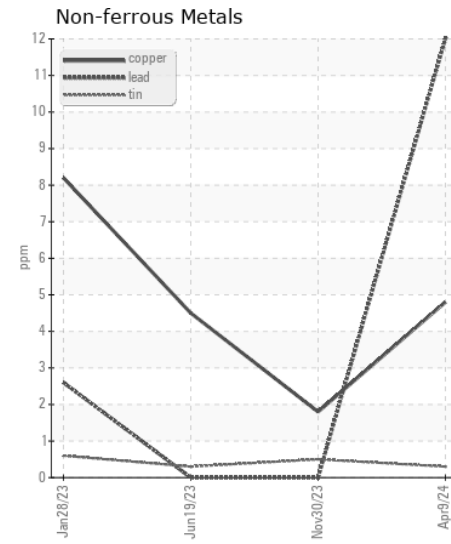
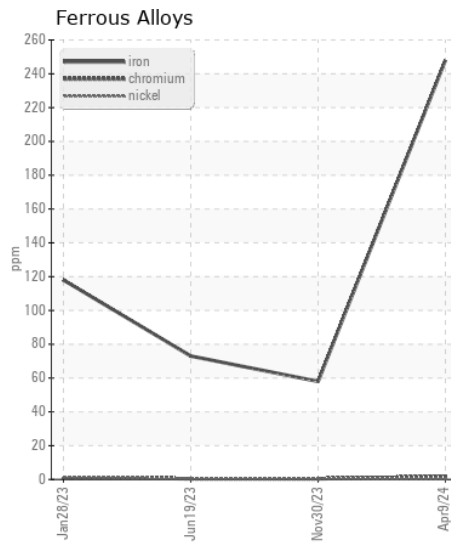
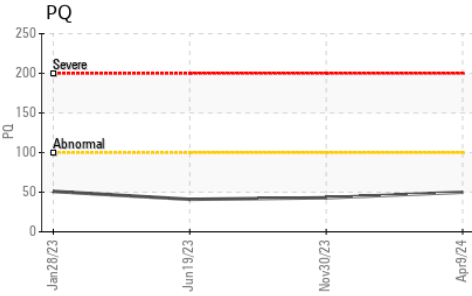
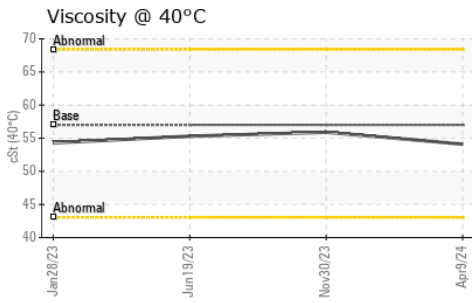
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	8	5	5
Potassium	ppm	ASTM D5185m	>20	<1	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.

Sodium	ppm	ASTM D5185m	>51	2	0	2
Boron	ppm	ASTM D5185m	6	<1	<1	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	6	0	<1
Manganese	ppm	ASTM D5185m		5	2	3
Magnesium	ppm	ASTM D5185m	145	88	110	97
Calcium	ppm	ASTM D5185m	3570	3059	3619	3454
Phosphorus	ppm	ASTM D5185m	1290	922	1111	971
Zinc	ppm	ASTM D5185m	1640	1106	1375	1228
Sulfur	ppm	ASTM D5185m		3556	3832	4053
Visc @ 40°C	cSt	ASTM D445	57.0	54.1	55.9	55.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0185579 **Received** : 11 Apr 2024
Lab Number : 06146168 **Tested** : 12 Apr 2024
Unique Number : 10976246 **Diagnosed** : 15 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819

Contact: WILMINGTON SHOP

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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)