



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 4830 1N0483DXJA0013296
 Component
Front Left Final Drive
 Fluid
JOHN DEERE GL-5 85W140LS (2 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0216887	JR0117872	JRMC376456
Sample Date		Client Info		13 Jun 2024	24 May 2022	02 Feb 2017
Machine Age	hrs	Client Info		5607	0	3986
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Changed
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

The copper level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184	>1250	58	88	150
Iron	ppm	ASTM D5185m	>750	196	209	364
Chromium	ppm	ASTM D5185m	>9	2	3	4
Nickel	ppm	ASTM D5185m	>10	1	<1	2
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>40	4	4	4
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	▲ 93	▲ 86	▲ 122
Tin	ppm	ASTM D5185m	>10	3	3	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

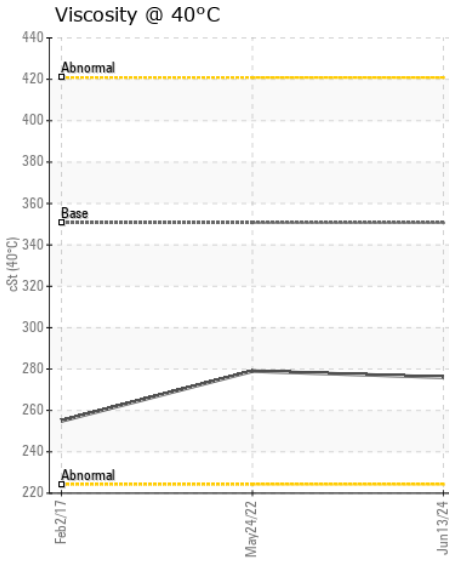
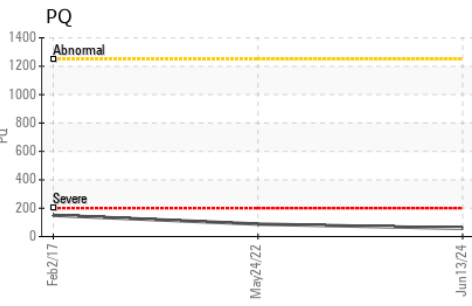
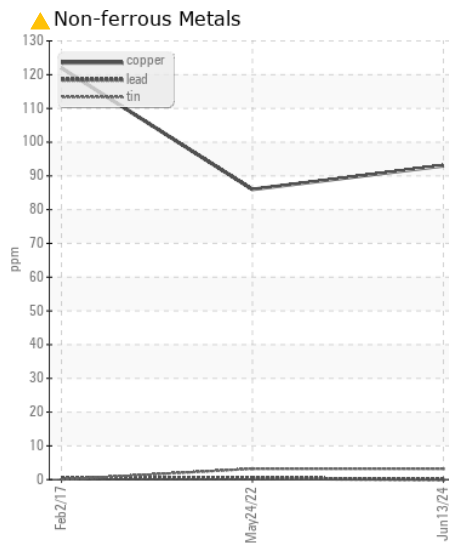
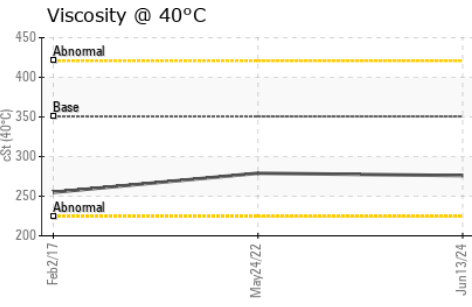
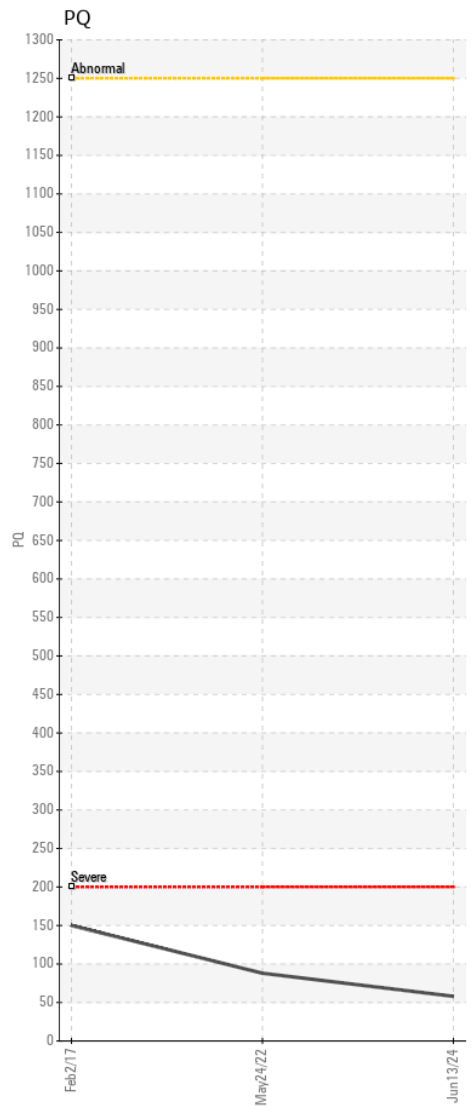
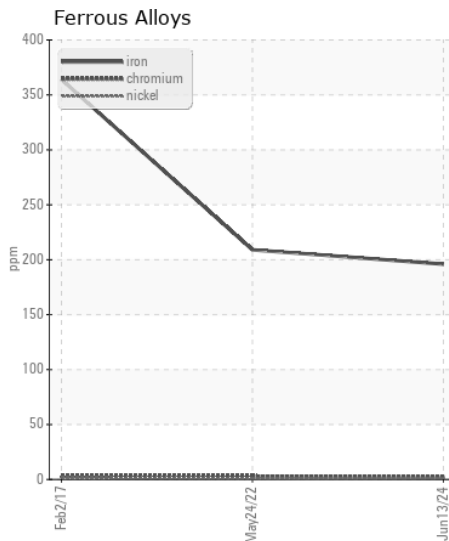
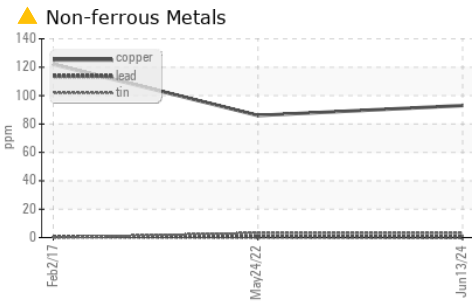
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	17	17	38
Potassium	ppm	ASTM D5185m	>20	5	3	9
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	20	17	18
Boron	ppm	ASTM D5185m		72	152	31
Barium	ppm	ASTM D5185m		<1	0	2
Molybdenum	ppm	ASTM D5185m		<1	2	1
Manganese	ppm	ASTM D5185m		3	3	4
Magnesium	ppm	ASTM D5185m		163	219	4
Calcium	ppm	ASTM D5185m		72	72	63
Phosphorus	ppm	ASTM D5185m		1153	1197	472
Zinc	ppm	ASTM D5185m		64	55	92
Sulfur	ppm	ASTM D5185m		22978	17193	12155
Visc @ 40°C	cSt	ASTM D445	350.7	276	279	254.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0216887 **Received** : 17 Jun 2024
Lab Number : 06212040 **Tested** : 18 Jun 2024
Unique Number : 11084904 **Diagnosed** : 19 Jun 2024 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

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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)