



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 844L 1DW844LXVML712581
 Component
Front Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0007930	WC06143334	WE0006425
Sample Date		Client Info		19 Jun 2024	04 Apr 2024	23 Jan 2024
Machine Age	hrs	Client Info		6171	5525	500
Oil Age	hrs	Client Info		0	5525	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	N/A
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Bearing and/or gear wear is indicated.

PQ		ASTM D8184		485	48	105
Iron	ppm	ASTM D5185m	>500	▲ 1206	121	169
Chromium	ppm	ASTM D5185m	>10	4	2	1
Nickel	ppm	ASTM D5185m	>10	4	2	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	3	2	<1
Lead	ppm	ASTM D5185m	>25	11	4	5
Copper	ppm	ASTM D5185m	>100	▲ 234	127	98
Tin	ppm	ASTM D5185m	>10	6	5	3
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

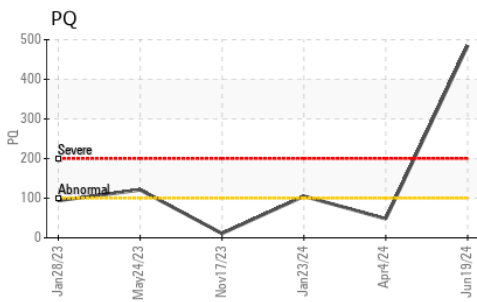
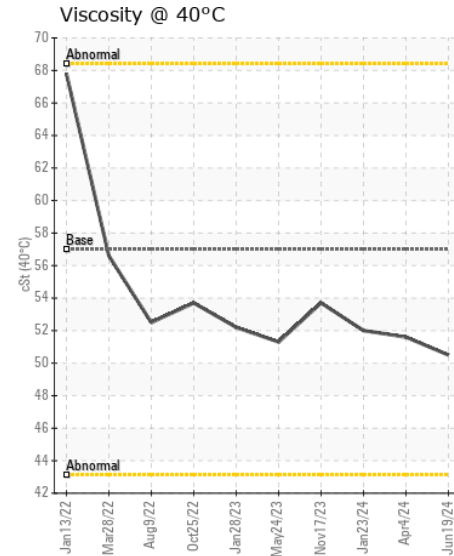
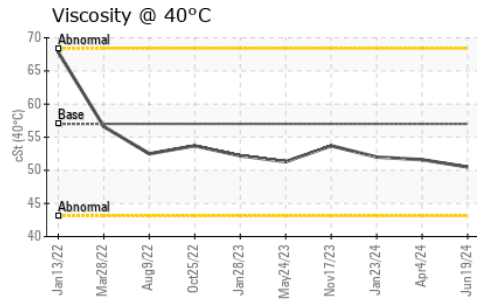
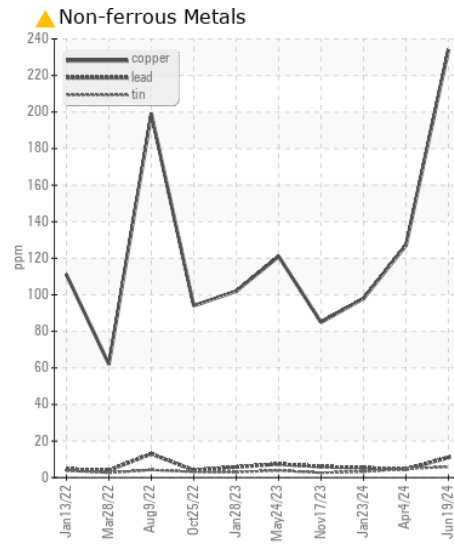
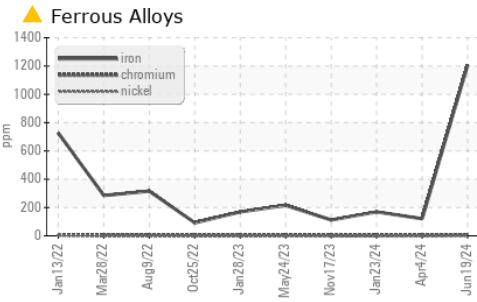
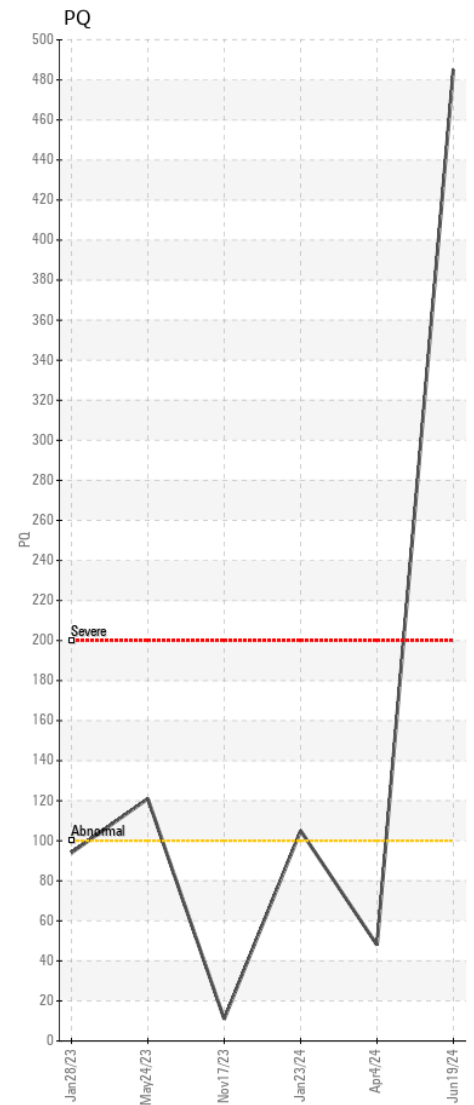
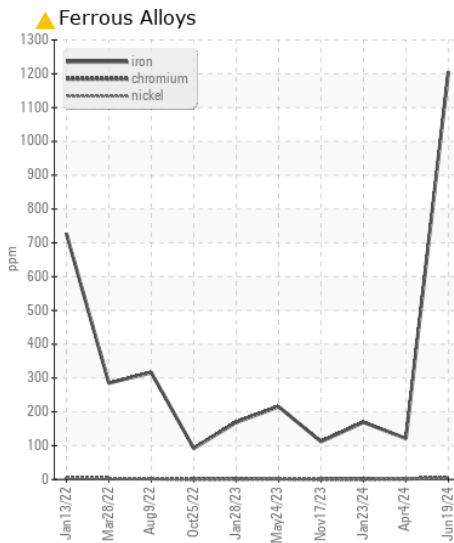
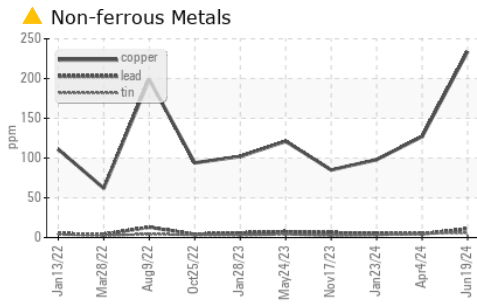
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	23	11	14
Potassium	ppm	ASTM D5185m	>20	2	2	0
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	<1	1
Boron	ppm	ASTM D5185m	6	4	0	2
Barium	ppm	ASTM D5185m	0	2	<1	<1
Molybdenum	ppm	ASTM D5185m	0	11	1	4
Manganese	ppm	ASTM D5185m		14	6	5
Magnesium	ppm	ASTM D5185m	145	94	102	100
Calcium	ppm	ASTM D5185m	3570	3502	3508	3395
Phosphorus	ppm	ASTM D5185m	1290	1059	1105	1059
Zinc	ppm	ASTM D5185m	1640	1236	1303	1284
Sulfur	ppm	ASTM D5185m		3654	4063	3372
Visc @ 40°C	cSt	ASTM D445	57.0	50.5	51.6	52.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0007930 **Received** : 24 Jun 2024
Lab Number : 06218507 **Tested** : 25 Jun 2024
Unique Number : 11096704 **Diagnosed** : 25 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 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)