



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Machine Id
JOHN DEERE 850L 1T0850LXLMF409041
Component
Left Outer Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

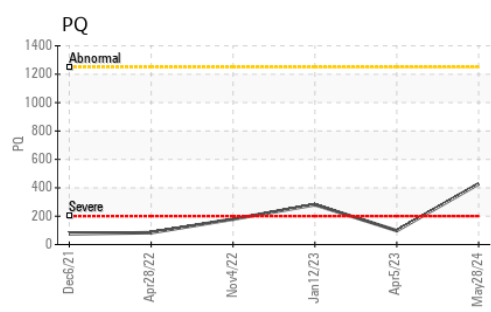
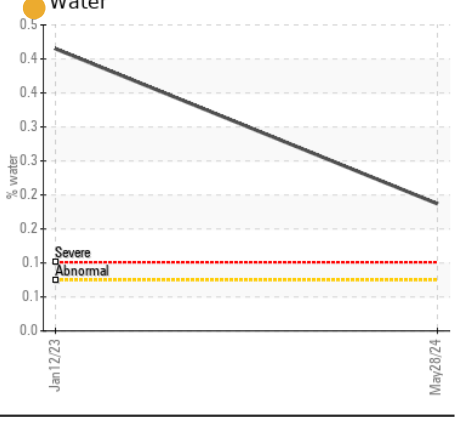
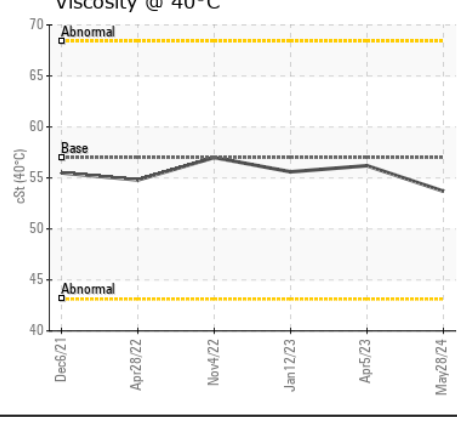
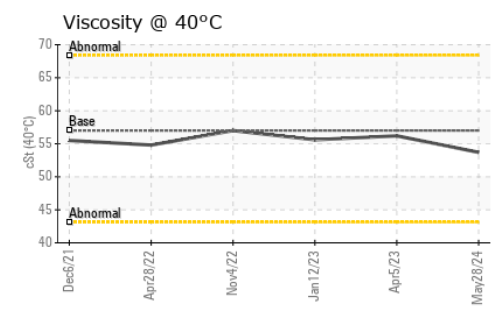
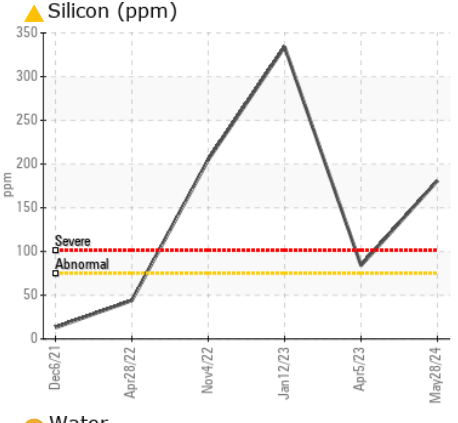
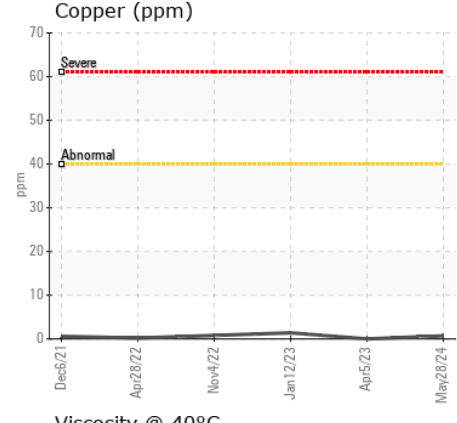
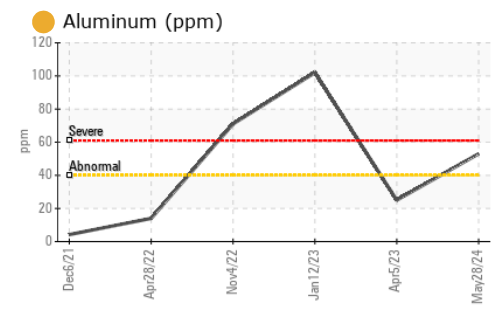
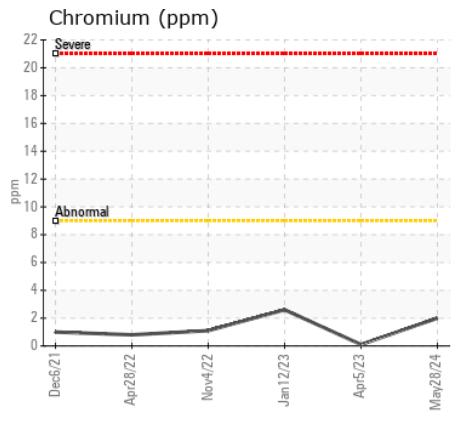
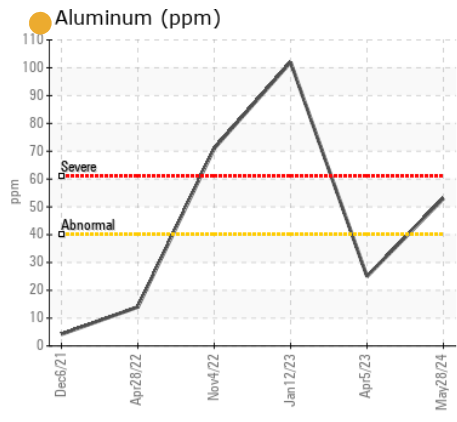
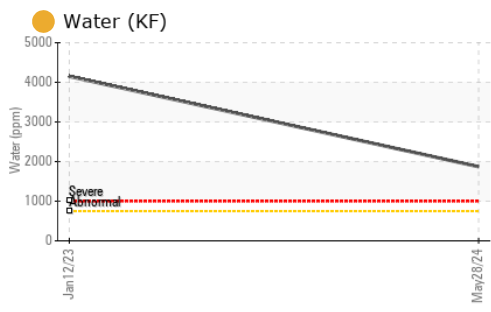
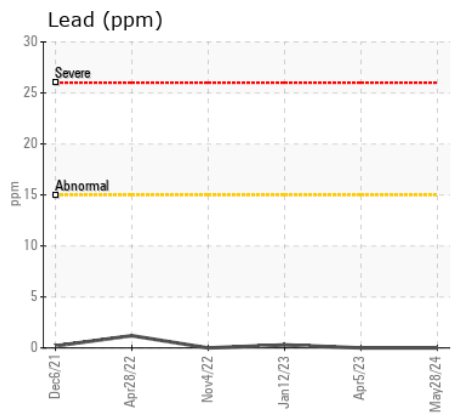
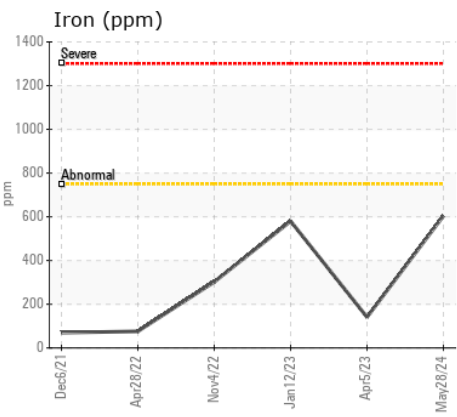
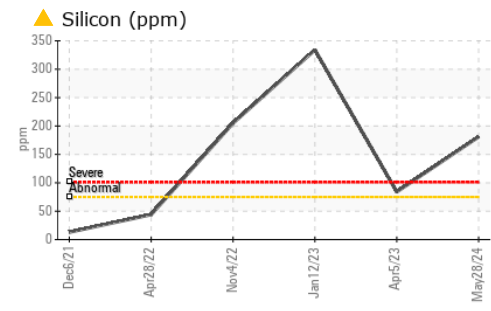
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The water content is marginal.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0209914	JR0166680	JR0157772
Sample Date		Client Info		28 May 2024	05 Apr 2023	12 Jan 2023
Machine Age	hrs	Client Info		5000	3431	2974
Oil Age	hrs	Client Info		1000	3431	2974
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
PQ		ASTM D8184	>1250	428	98	281
Iron	ppm	ASTM D5185m	>750	604	141	580
Chromium	ppm	ASTM D5185m	>9	2	<1	3
Nickel	ppm	ASTM D5185m	>10	2	1	4
Titanium	ppm	ASTM D5185m		3	2	8
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	53	25	102
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	<1	0	1
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	MODER	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ 181	▲ 84	▲ 334
Potassium	ppm	ASTM D5185m	>20	11	0	30
Water	%	ASTM D6304	>0.075	● 0.187	---	▲ 0.415
ppm Water	ppm	ASTM D6304	>750	● 1870	---	▲ 4150
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	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	0.2%	NEG	▲ 0.2%
Sodium	ppm	ASTM D5185m	>51	5	2	20
Boron	ppm	ASTM D5185m	6	0	7	14
Barium	ppm	ASTM D5185m	0	<1	0	<1
Molybdenum	ppm	ASTM D5185m	0	<1	6	12
Manganese	ppm	ASTM D5185m		4	1	6
Magnesium	ppm	ASTM D5185m	145	111	132	156
Calcium	ppm	ASTM D5185m	3570	3458	3483	3653
Phosphorus	ppm	ASTM D5185m	1290	1061	1061	1090
Zinc	ppm	ASTM D5185m	1640	1250	1247	1260
Sulfur	ppm	ASTM D5185m		4064	3929	4379
Visc @ 40°C	cSt	ASTM D445	57.0	53.7	56.2	55.6



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0209914 **Received** : 30 May 2024
Lab Number : 06195667 **Tested** : 03 Jun 2024
Unique Number : 11057790 **Diagnosed** : 03 Jun 2024 - Sean Felton
Test Package : MOBCE (Additional Tests: KF, 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)