



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[05W46607]
Machine Id
JOHN DEERE 850K 1T0850KXKLF369647
Component
Transmission (Manual)
Fluid
JOHN DEERE HYDRAU (30 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214382	JR0192001	JR0169092
Sample Date		Client Info		10 May 2024	20 Nov 2023	12 Apr 2023
Machine Age	hrs	Client Info		5467	4980	4443
Oil Age	hrs	Client Info		1500	4503	477
Filter Age	hrs	Client Info		1500	4503	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	16	11	7
Iron	ppm	ASTM D5185m	>200	12	11	8
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	0
Lead	ppm	ASTM D5185m	>45	<1	0	0
Copper	ppm	ASTM D5185m	>225	3	3	1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

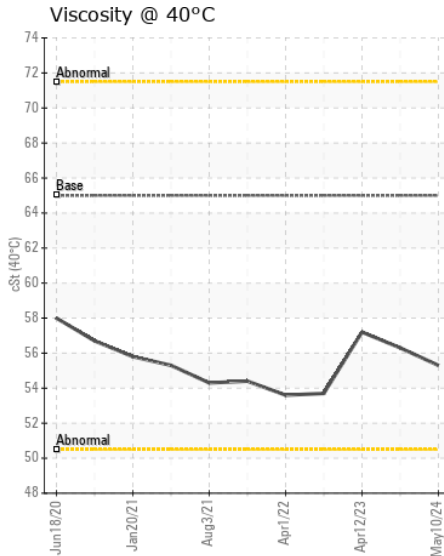
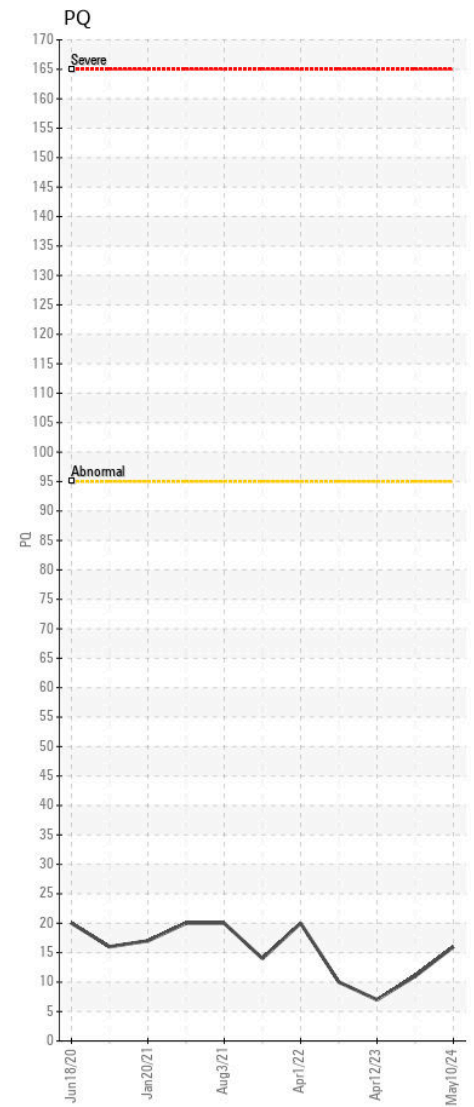
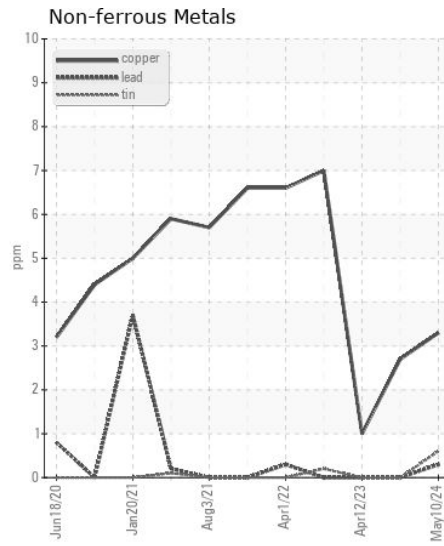
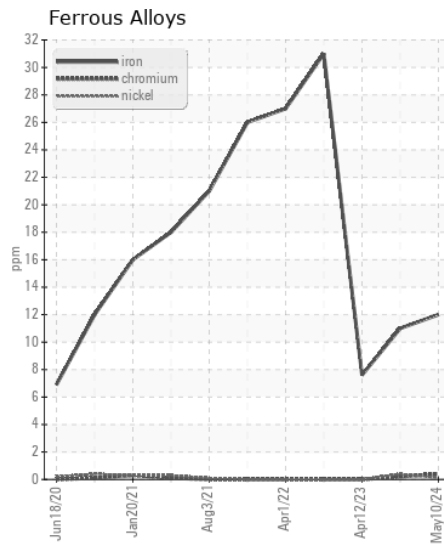
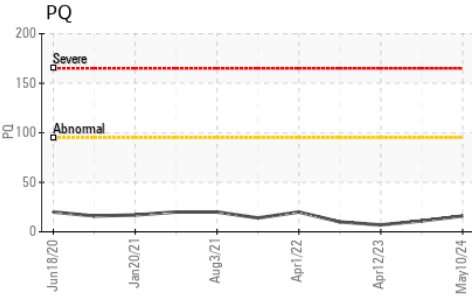
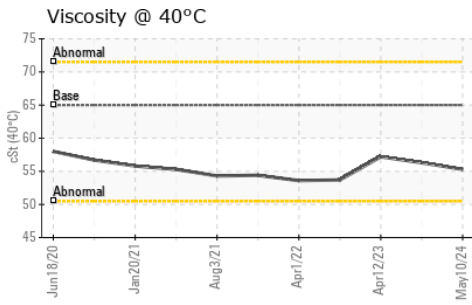
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<1	1	<1
Potassium	ppm	ASTM D5185m	>20	2	1	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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	1	<1
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		1	<1	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		5	3	3
Calcium	ppm	ASTM D5185m	87	157	109	108
Phosphorus	ppm	ASTM D5185m	727	751	752	672
Zinc	ppm	ASTM D5185m	900	843	945	846
Sulfur	ppm	ASTM D5185m	1500	1789	1774	1633
Visc @ 40°C	cSt	ASTM D445	65	55.3	56.3	57.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214382 **Received** : 13 May 2024
Lab Number : 06177405 **Tested** : 14 May 2024
Unique Number : 11023458 **Diagnosed** : 14 May 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

CWS-STRITTMATTER
 9102 OWENS DR
 MANASSAS PARK, VA
 US 20111

Contact: EDDIE GARRETSON
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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)

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