



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 700K 1T0700KXPEE270345
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0211541	JR0190113	JR0168898
Sample Date		Client Info		09 May 2024	26 Oct 2023	27 Apr 2023
Machine Age	hrs	Client Info		6989	6438	5956
Oil Age	hrs	Client Info		0	6438	5956
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	N/A	N/A
Filter Changed		Client Info		Not Chngd	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	18	16	17
Iron	ppm	ASTM D5185m	>23	10	7	11
Chromium	ppm	ASTM D5185m	>9	1	1	2
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	2	3
Lead	ppm	ASTM D5185m	>28	<1	<1	0
Copper	ppm	ASTM D5185m	>51	17	14	24
Tin	ppm	ASTM D5185m	>5	<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

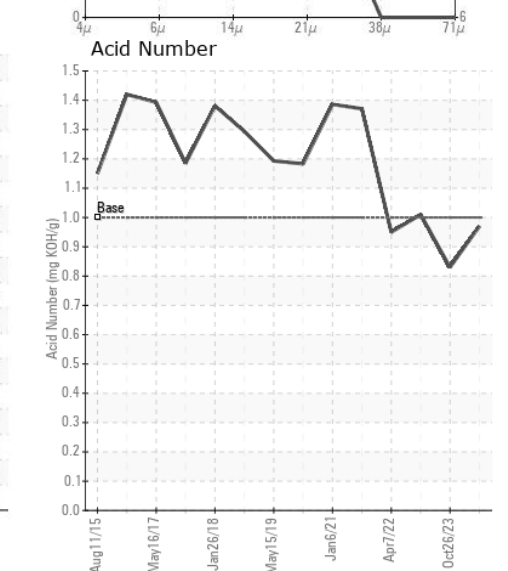
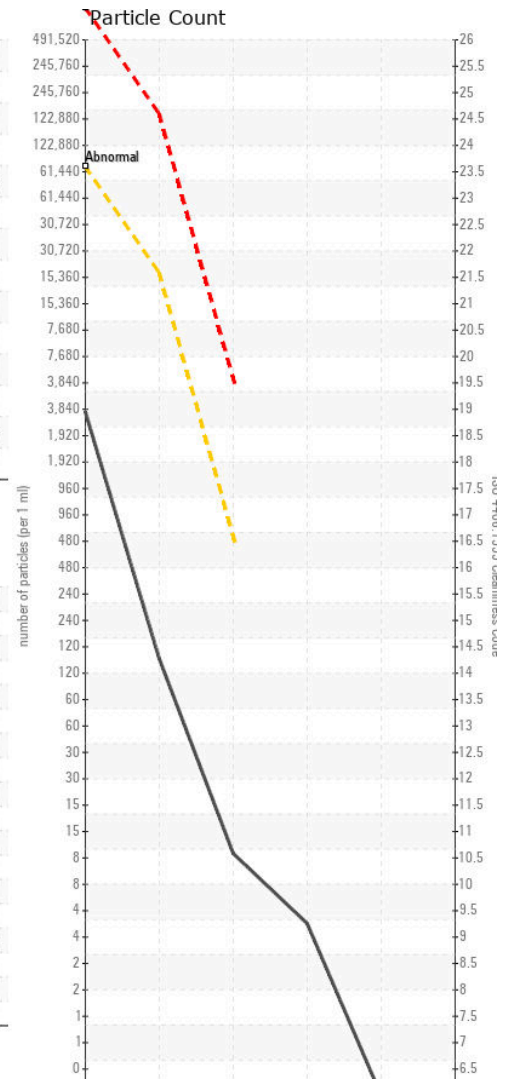
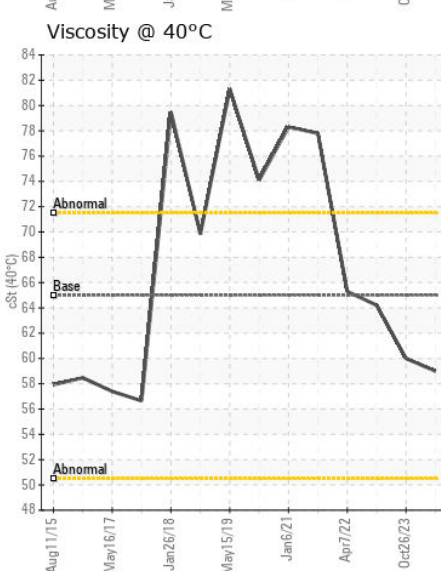
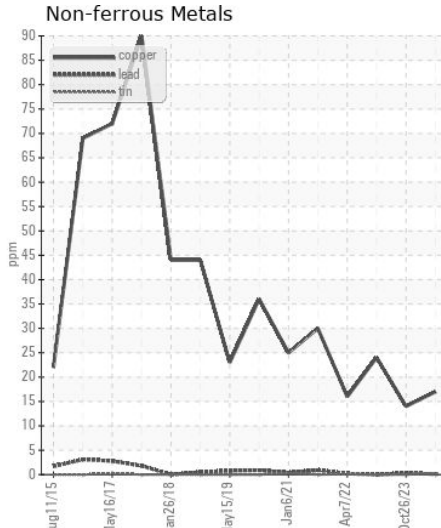
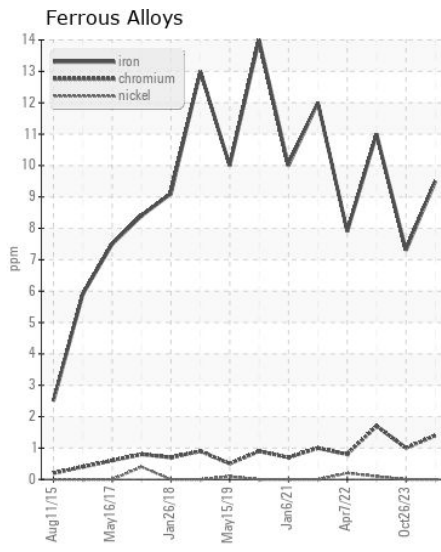
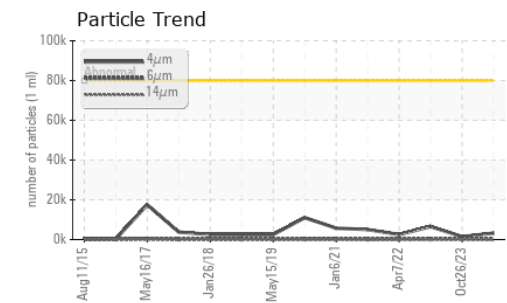
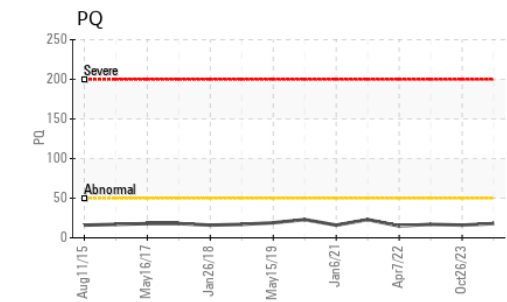
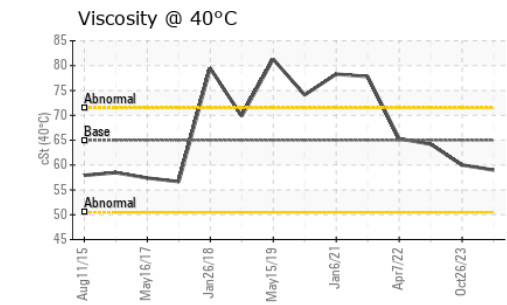
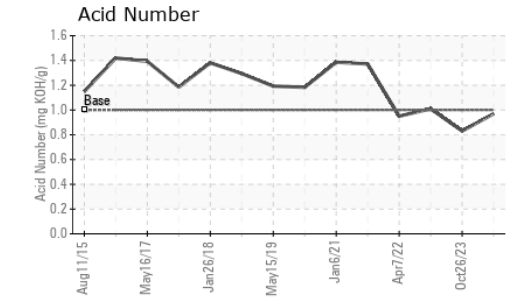
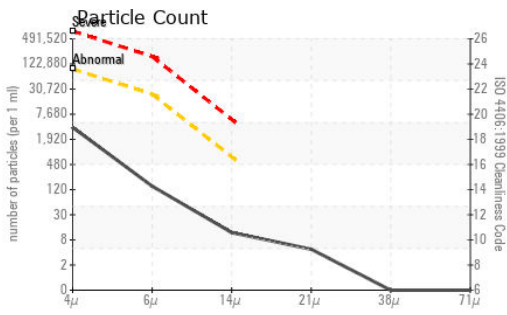
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	6	4	6
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	3246	1472	6531
Particles >6µm		ASTM D7647	>20000	128	276	290
Particles >14µm		ASTM D7647	>640	10	34	17
Particles >21µm		ASTM D7647	>160	4	8	6
Particles >38µm		ASTM D7647	>40	0	1	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	19/14/10	18/15/12	20/15/11
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	0	0	1
Boron	ppm	ASTM D5185m		42	41	103
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		26	26	68
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		88	89	242
Calcium	ppm	ASTM D5185m	87	396	349	537
Phosphorus	ppm	ASTM D5185m	727	717	734	723
Zinc	ppm	ASTM D5185m	900	878	872	893
Sulfur	ppm	ASTM D5185m	1500	1896	1828	2510
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.97	0.83	1.01
Visc @ 40°C	cSt	ASTM D445	65	59.0	60.0	64.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0211541 **Received** : 10 May 2024
Lab Number : 06175357 **Tested** : 13 May 2024
Unique Number : 11021410 **Diagnosed** : 13 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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