



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[16W16193]
 Machine Id
JOHN DEERE 700K 1T0700KXCKF368150
 Component
Hydrostatic
 Fluid
JOHN DEERE HYDRAU (18 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16193)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0207166	JR0196477	JR0185745
Sample Date		Client Info		17 May 2024	16 Feb 2024	10 Nov 2023
Machine Age	hrs	Client Info		6567	6004	5562
Oil Age	hrs	Client Info		563	1728	1286
Filter Age	hrs	Client Info		563	1728	1286
Oil Changed		Client Info		Not Chngd	Changed	Not Chngd
Filter Changed		Client Info		Not Chngd	Changed	Not Chngd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>31	3	6	4
Chromium	ppm	ASTM D5185m	>9	<1	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>10	1	0	0
Lead	ppm	ASTM D5185m	>11	<1	0	0
Copper	ppm	ASTM D5185m	>41	2	4	2
Tin	ppm	ASTM D5185m	>5	<1	<1	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

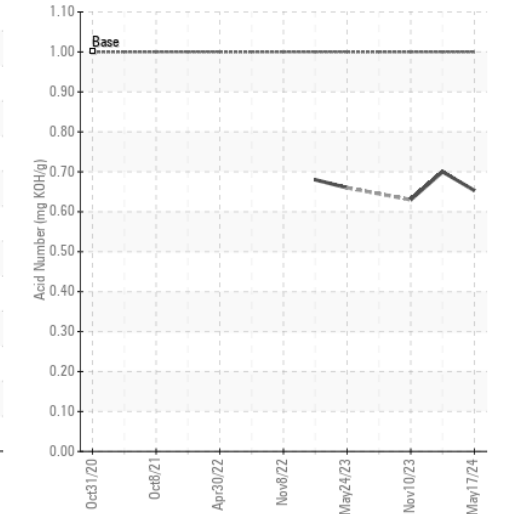
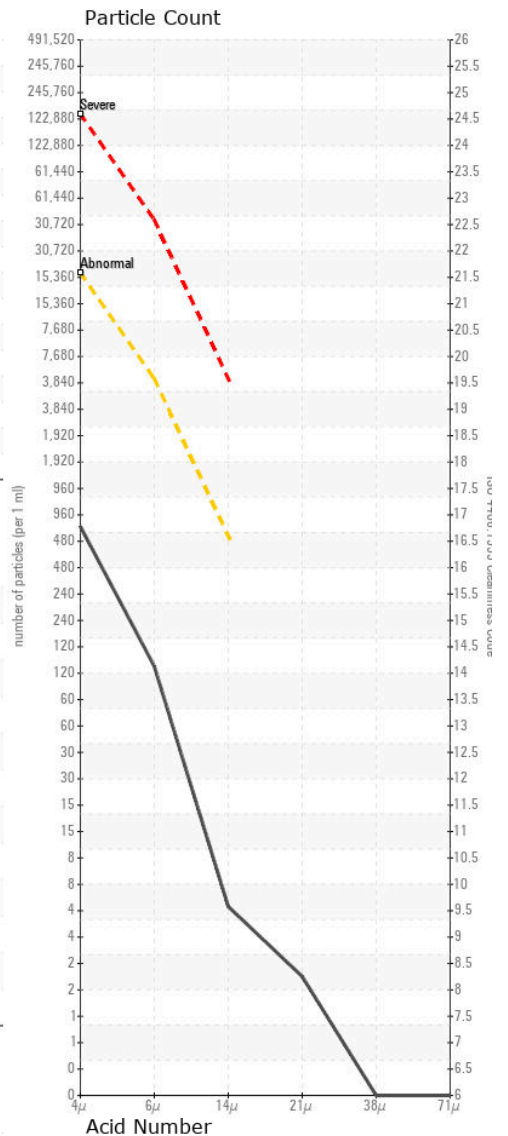
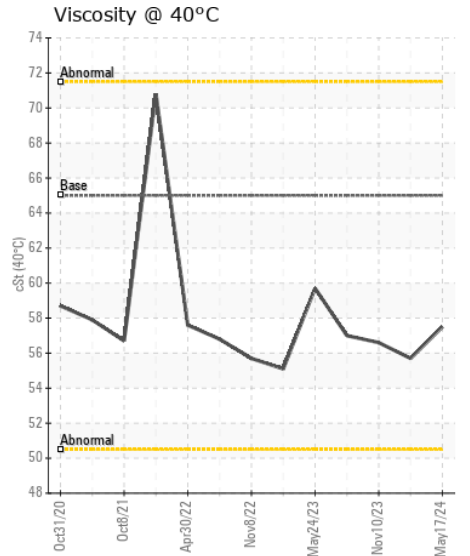
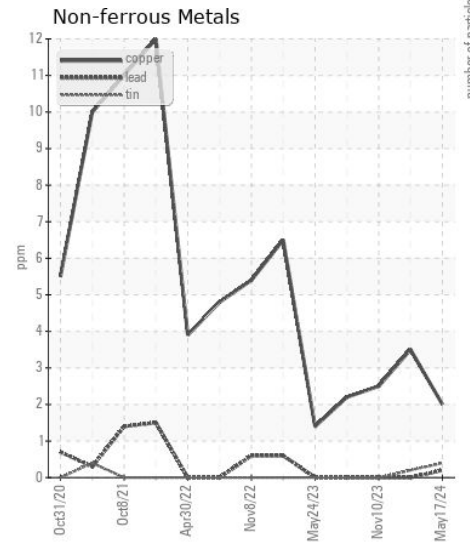
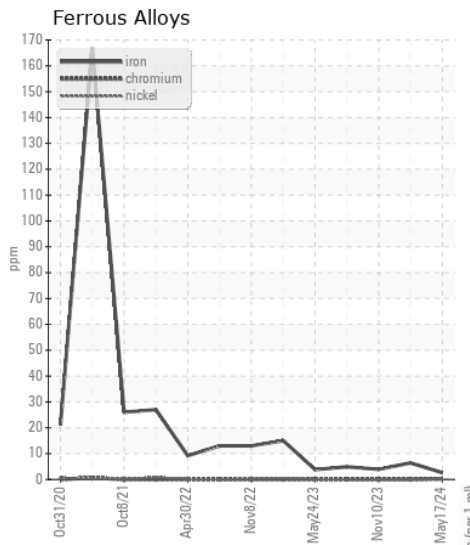
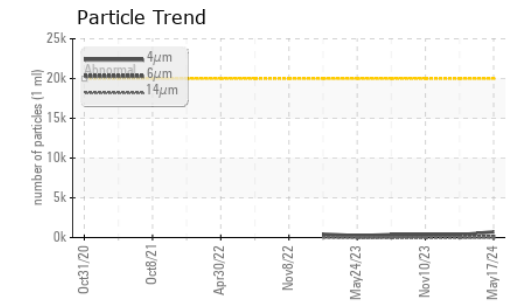
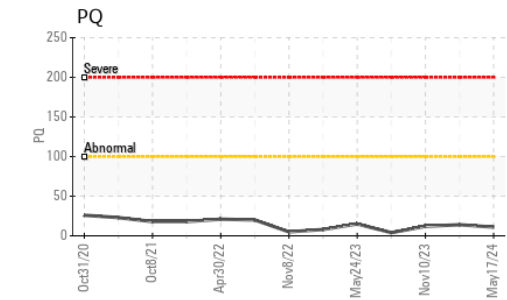
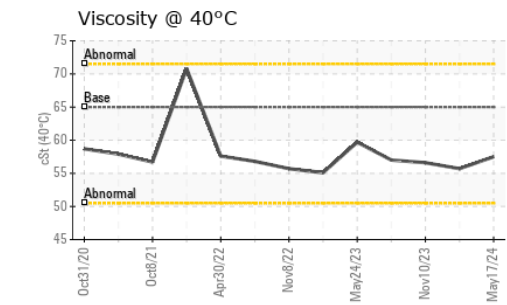
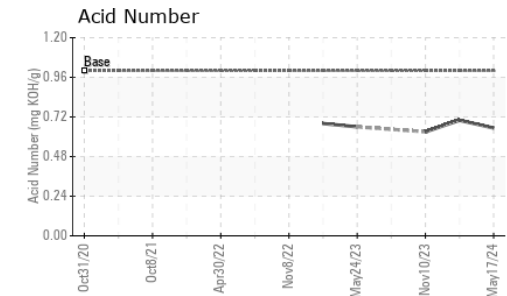
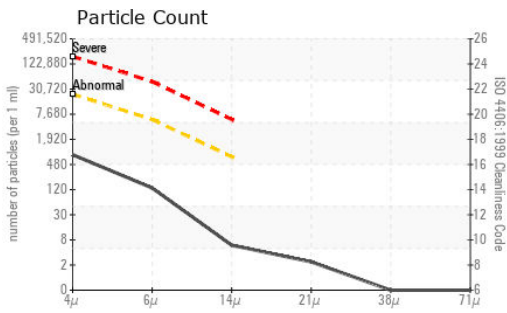
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	2	2	2
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	723	332	331
Particles >6µm		ASTM D7647	>5000	116	91	71
Particles >14µm		ASTM D7647	>640	5	6	8
Particles >21µm		ASTM D7647	>160	2	3	2
Particles >38µm		ASTM D7647	>40	0	1	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	17/14/10	16/14/10	16/13/10
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	1	0	<1
Boron	ppm	ASTM D5185m		0	6	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	3	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		4	0	<1
Calcium	ppm	ASTM D5185m	87	158	105	86
Phosphorus	ppm	ASTM D5185m	727	674	631	616
Zinc	ppm	ASTM D5185m	900	867	878	787
Sulfur	ppm	ASTM D5185m	1500	1829	1571	1557
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.653	0.70	0.63
Visc @ 40°C	cSt	ASTM D445	65	57.5	55.7	56.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0207166 **Received** : 22 May 2024
Lab Number : 06187913 **Tested** : 31 May 2024
Unique Number : 11044665 **Diagnosed** : 31 May 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: PQ, PRTCOUNT)

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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