



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[16W16441]

Machine Id

JOHN DEERE 700L 1T0700LXLMF405257

Component

Hydraulic System

Fluid

JOHN DEERE HYDRAU (120 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16441)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217247	JR0150089	JR0139810
Sample Date		Client Info		13 Jun 2024	20 Oct 2022	27 Jul 2022
Machine Age	hrs	Client Info		4061	2363	1965
Oil Age	hrs	Client Info		2000	0	1965
Filter Age	hrs	Client Info		2000	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		19	7	19
Iron	ppm	ASTM D5185m	>20	19	13	12
Chromium	ppm	ASTM D5185m	>10	3	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	3	2	1
Lead	ppm	ASTM D5185m	>10	<1	<1	0
Copper	ppm	ASTM D5185m	>75	5	5	4
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

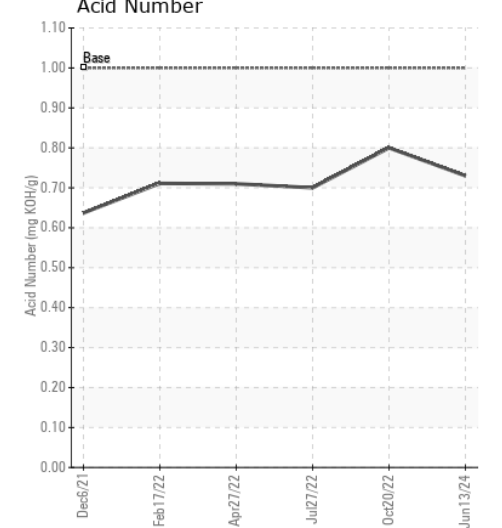
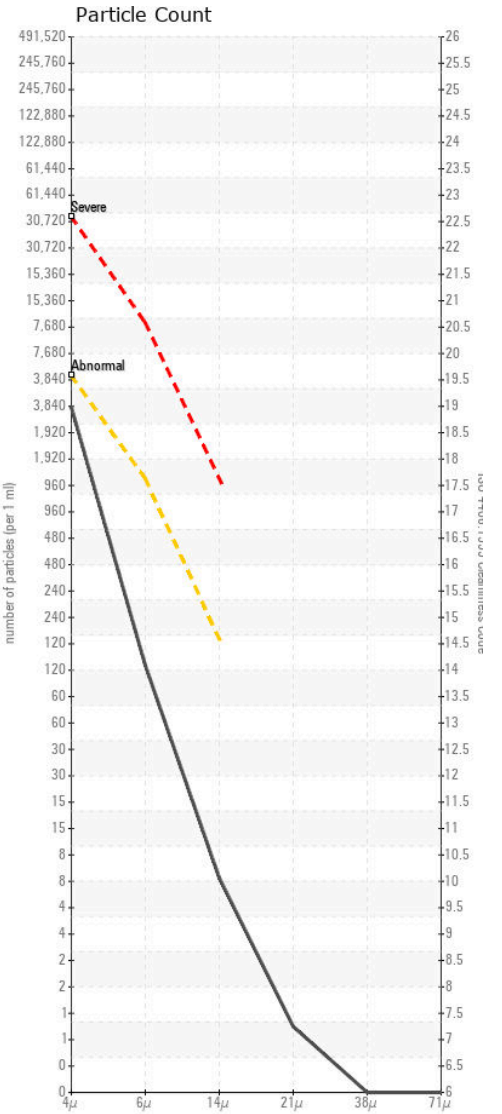
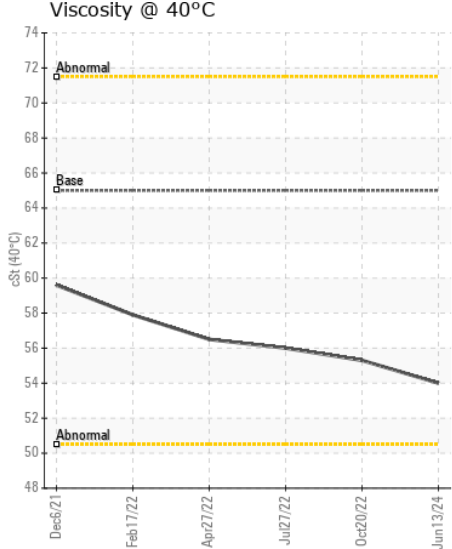
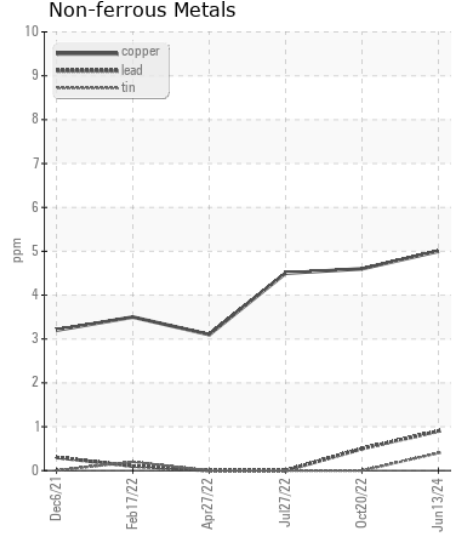
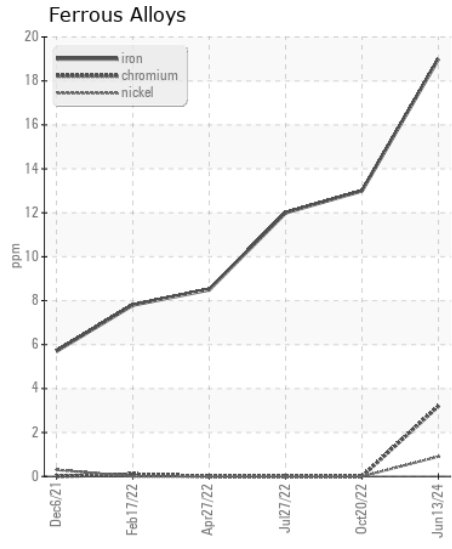
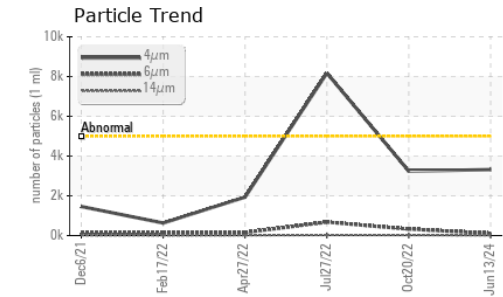
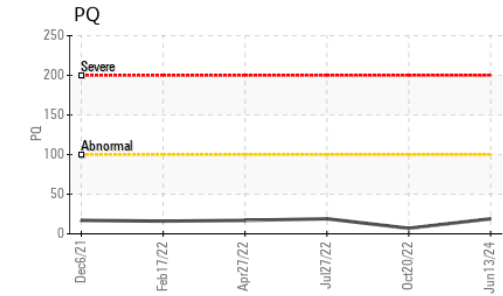
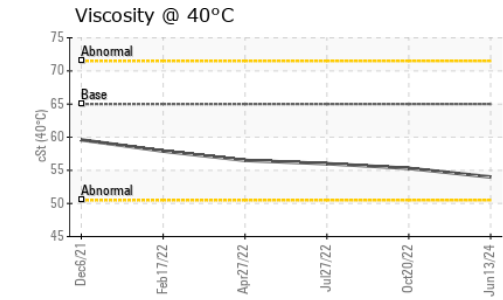
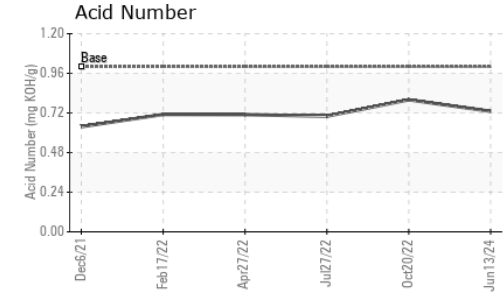
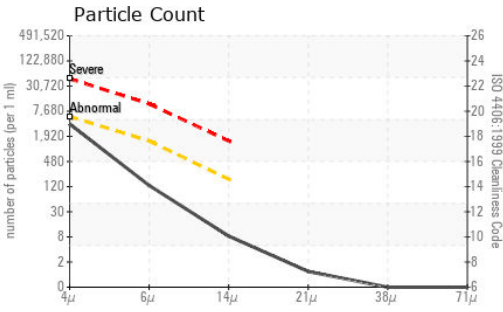
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	8	7	7
Potassium	ppm	ASTM D5185m	>20	3	3	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	3319	3241	8175
Particles >6µm		ASTM D7647	>1300	113	325	677
Particles >14µm		ASTM D7647	>160	7	22	27
Particles >21µm		ASTM D7647	>40	1	5	5
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/14/10	19/16/12	20/17/12
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		2	0	2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	0	2
Molybdenum	ppm	ASTM D5185m		1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		10	2	<1
Calcium	ppm	ASTM D5185m	87	94	83	80
Phosphorus	ppm	ASTM D5185m	727	642	598	581
Zinc	ppm	ASTM D5185m	900	833	808	779
Sulfur	ppm	ASTM D5185m	1500	1695	1767	1820
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.73	0.80	0.70
Visc @ 40°C	cSt	ASTM D445	65	54.0	55.3	56.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217247 **Received** : 17 Jun 2024
Lab Number : 06211497 **Tested** : 18 Jun 2024
Unique Number : 11084361 **Diagnosed** : 18 Jun 2024 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819

Contact: WILMINGTON SHOP

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (910)675-9211

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: