



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 700L 1T0700LXLNF422061
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (120 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218415	JR0208433	JR0196105
Sample Date		Client Info		14 Jun 2024	18 Mar 2024	13 Dec 2023
Machine Age	hrs	Client Info		3494	2445	2445
Oil Age	hrs	Client Info		3494	2445	2445
Filter Age	hrs	Client Info		0	0	2445
Oil Changed		Client Info		Not Chngd	Not Chngd	Oil Added
Filter Changed		Client Info		Not Chngd	Not Chngd	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	>20	13	9	7
Chromium	ppm	ASTM D5185m	>10	3	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>75	5	3	3
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

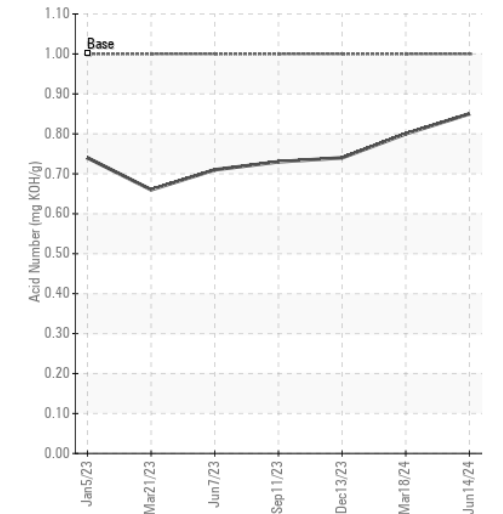
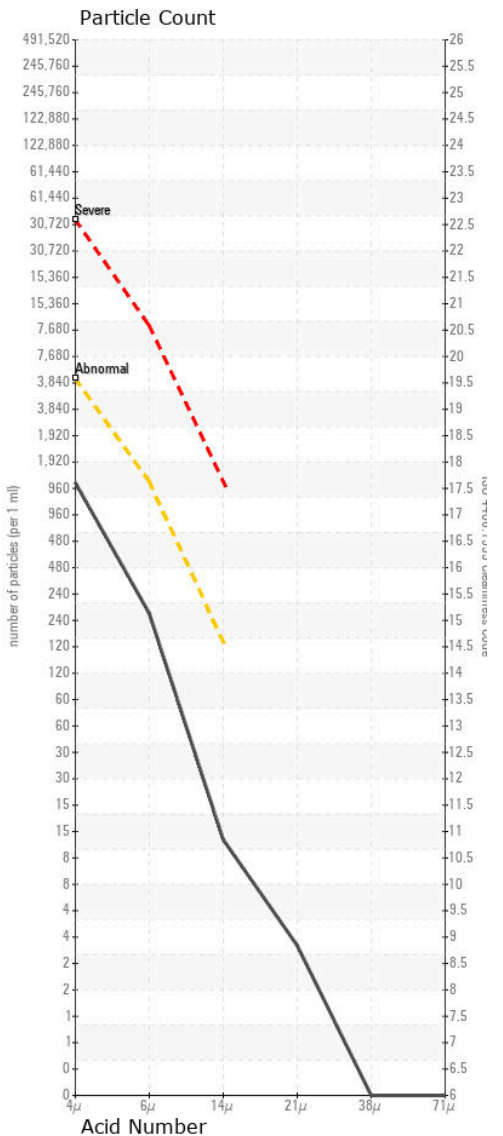
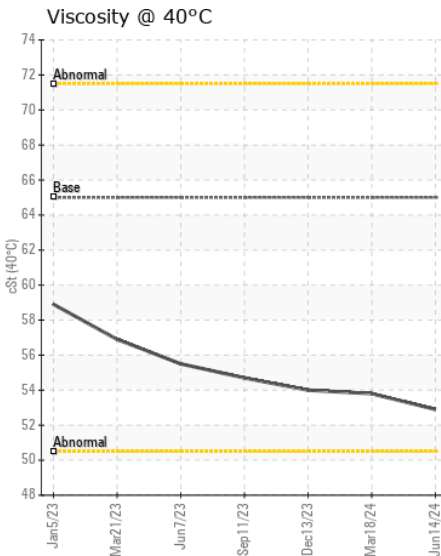
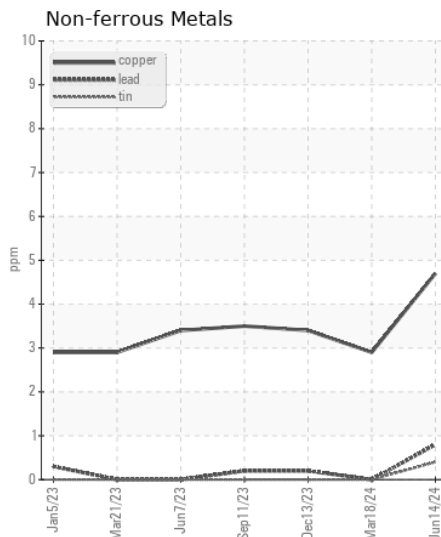
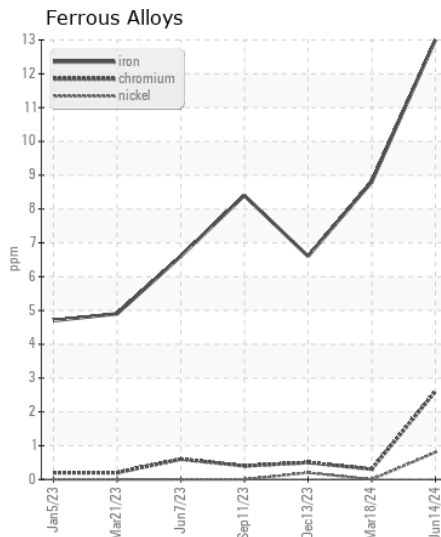
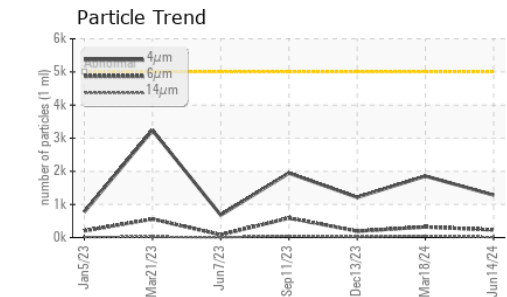
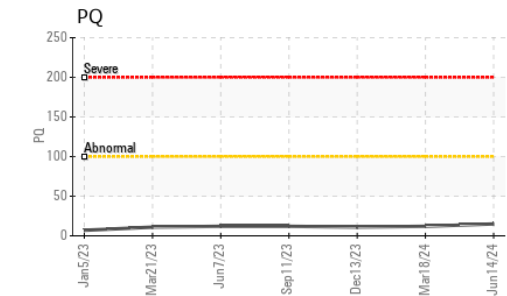
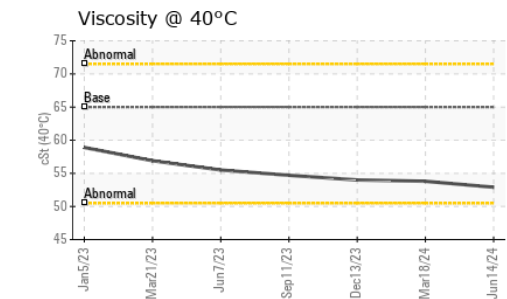
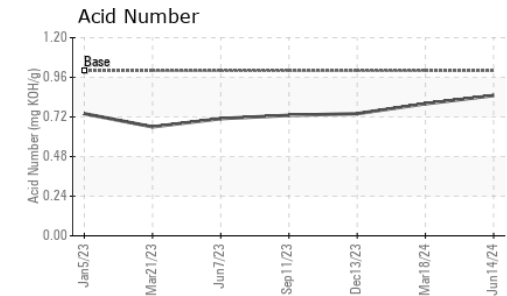
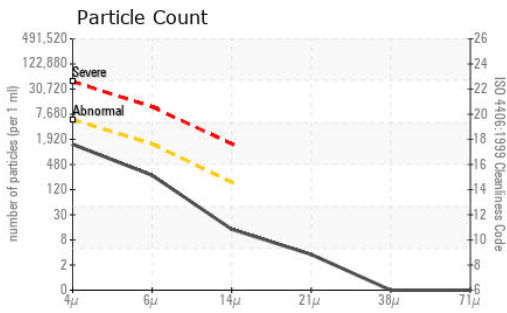
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	9	7	6
Potassium	ppm	ASTM D5185m	>20	2	<1	4
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	1282	1855	1214
Particles >6µm		ASTM D7647	>1300	232	321	193
Particles >14µm		ASTM D7647	>160	12	51	19
Particles >21µm		ASTM D7647	>40	3	22	7
Particles >38µm		ASTM D7647	>10	0	2	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11	18/16/13	17/15/11
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	>0.1	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		1	<1	1
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	<1	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		4	16	3
Calcium	ppm	ASTM D5185m	87	293	327	288
Phosphorus	ppm	ASTM D5185m	727	687	754	666
Zinc	ppm	ASTM D5185m	900	894	967	882
Sulfur	ppm	ASTM D5185m	1500	1830	2255	1767
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.85	0.80	0.74
Visc @ 40°C	cSt	ASTM D445	65	52.9	53.8	54.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0218415

Lab Number : 06211492

Unique Number : 11084356

Test Package : CONST (Additional Tests: PQ)

Received : 17 Jun 2024

Tested : 18 Jun 2024

Diagnosed : 18 Jun 2024 - Wes Davis

B & S SITE DEVELOPMENT

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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)