



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

[05W46266]

Machine Id

JOHN DEERE 700L 1T0700LXVNF420842

Component

Left Final Drive

Fluid

JOHN DEERE HY-GARD HYD/TRANS (10 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214752	JR0199255	JR0187542
Sample Date		Client Info		19 Apr 2024	26 Jan 2024	09 Oct 2023
Machine Age	hrs	Client Info		2950	2446	1945
Oil Age	hrs	Client Info		1000	501	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	None	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	82	68	72
Iron	ppm	ASTM D5185m	>750	266	143	195
Chromium	ppm	ASTM D5185m	>9	4	2	3
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	17	9	0
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	2	0	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

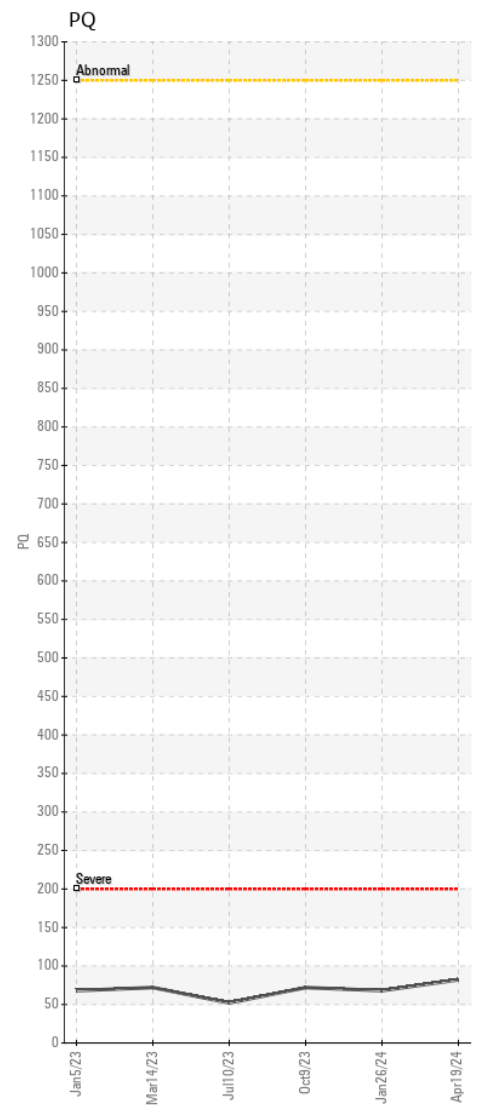
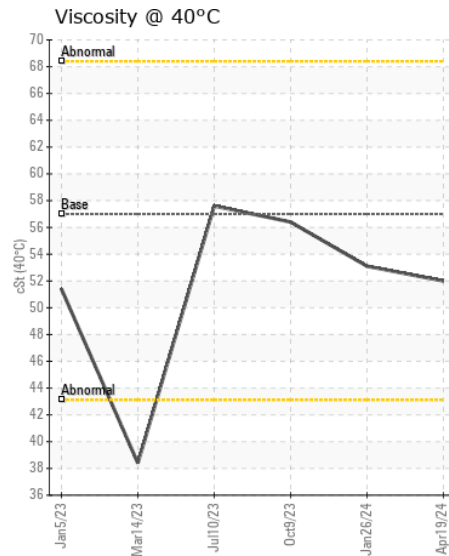
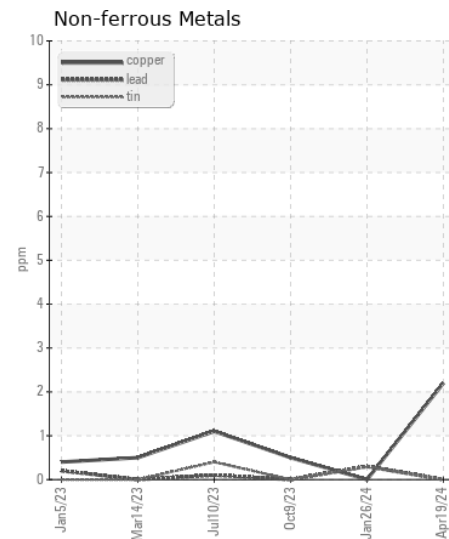
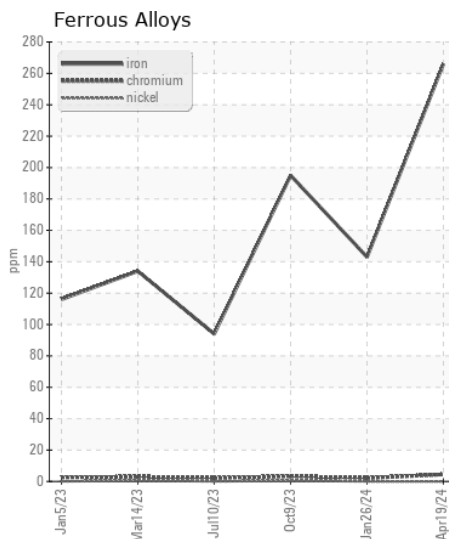
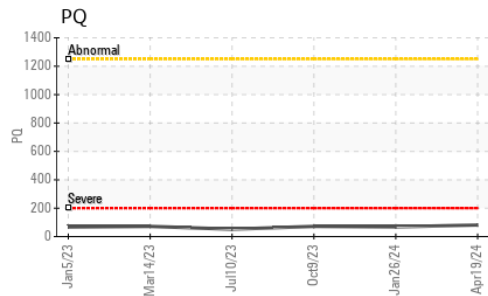
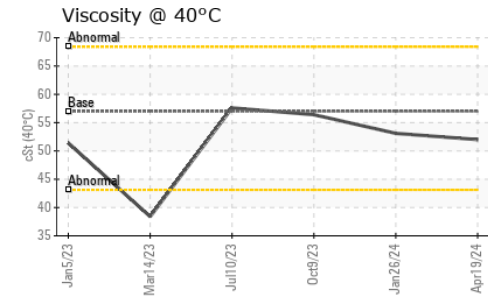
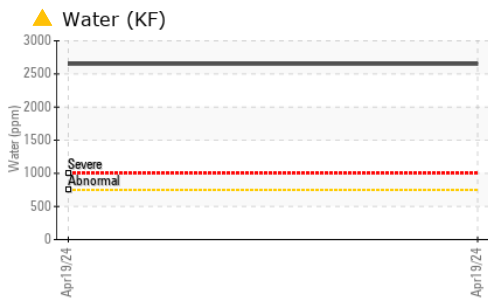
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>75	73	39	26
Potassium	ppm	ASTM D5185m	>20	2	3	3
Water	%	ASTM D6304	>0.075	▲ 0.265	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 2650	---	---
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	▲ 0.2%	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	4	2	0
Boron	ppm	ASTM D5185m	6	6	6	4
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	0	7	4	5
Manganese	ppm	ASTM D5185m		4	2	3
Magnesium	ppm	ASTM D5185m	145	123	120	106
Calcium	ppm	ASTM D5185m	3570	3438	3284	3435
Phosphorus	ppm	ASTM D5185m	1290	1072	1053	1039
Zinc	ppm	ASTM D5185m	1640	1224	1239	1247
Sulfur	ppm	ASTM D5185m		4120	3404	4291
Visc @ 40°C	cSt	ASTM D445	57.0	52.0	53.1	56.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214752 **Received** : 22 Apr 2024
Lab Number : 06156247 **Tested** : 24 Apr 2024
Unique Number : 10991670 **Diagnosed** : 24 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF, PQ)

B & S SITE DEVELOPMENT
 7800 PINEY BRANCH LANE
 BRISTOW, VA
 US 20136
 Contact: DANNY HUFF
 dhuff@bandssite.com
 T: (540)270-3203
 F: (703)753-0605

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)