



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[46267]

Machine Id

JOHN DEERE 700L 1T0700LXJNF420997

Component

Right Final Drive

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214318	JR0199297	JR0190131
Sample Date		Client Info		23 Apr 2024	25 Jan 2024	24 Oct 2023
Machine Age	hrs	Client Info		3965	3432	2977
Oil Age	hrs	Client Info		2499	2421	2464
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	N/A
Filter Changed		Client Info		N/A	None	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	116	90	46
Iron	ppm	ASTM D5185m	>750	215	140	90
Chromium	ppm	ASTM D5185m	>9	3	1	2
Nickel	ppm	ASTM D5185m	>10	2	0	0
Titanium	ppm	ASTM D5185m		3	2	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	21	16	5
Lead	ppm	ASTM D5185m	>15	1	0	0
Copper	ppm	ASTM D5185m	>40	2	<1	<1
Tin	ppm	ASTM D5185m	>10	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

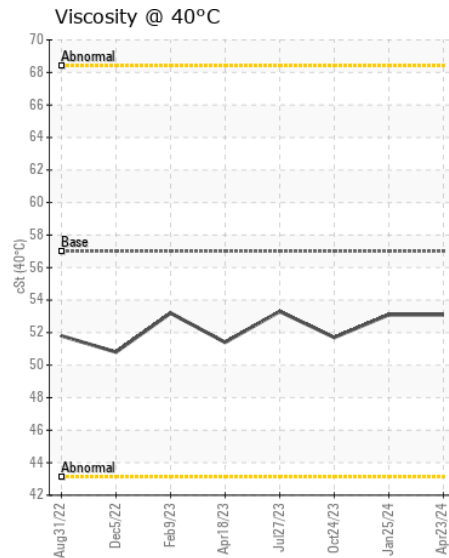
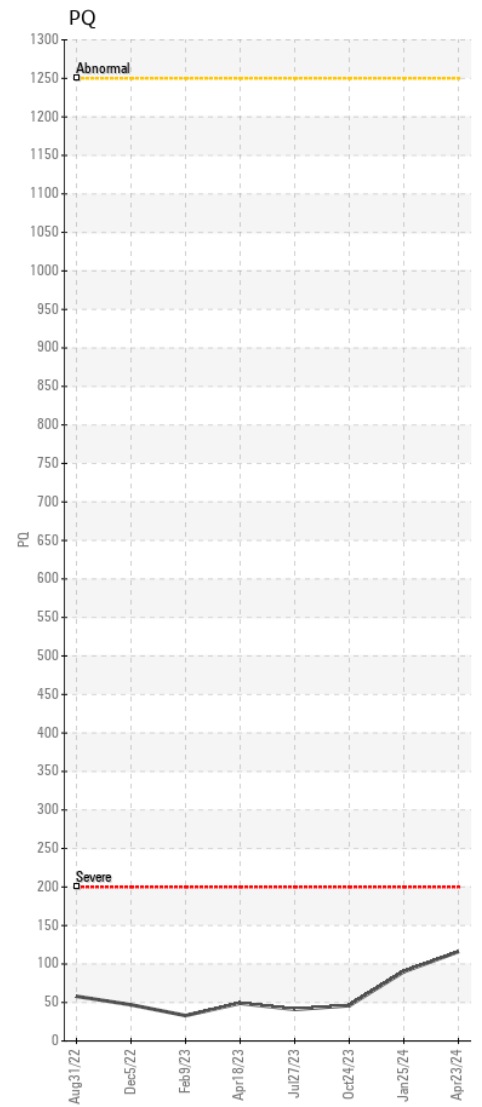
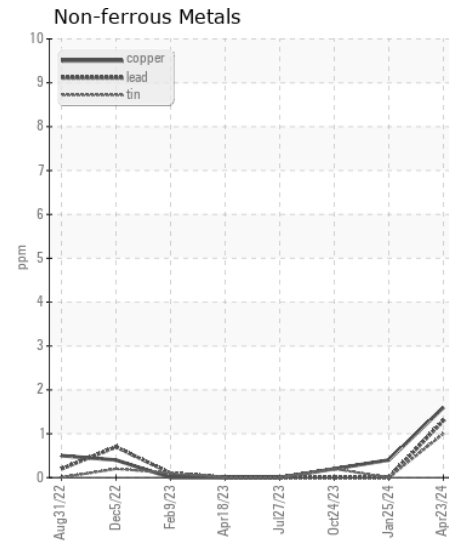
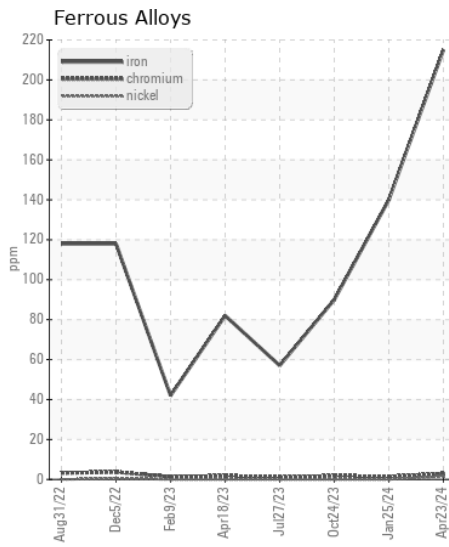
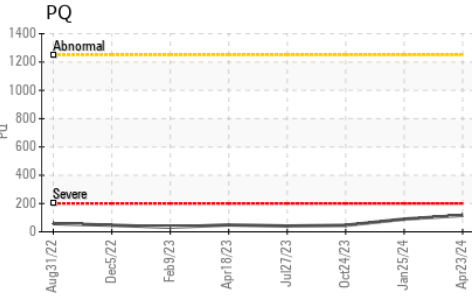
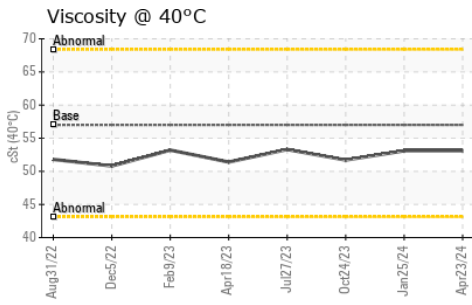
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	72	62	19
Potassium	ppm	ASTM D5185m	>20	8	5	2
Water		WC Method	>0.075	NEG	NEG	NEG
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	0	0	1
Boron	ppm	ASTM D5185m	6	11	8	7
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	8	7	7
Manganese	ppm	ASTM D5185m		3	1	2
Magnesium	ppm	ASTM D5185m	145	120	133	112
Calcium	ppm	ASTM D5185m	3570	3396	3438	3059
Phosphorus	ppm	ASTM D5185m	1290	1072	1103	997
Zinc	ppm	ASTM D5185m	1640	1171	1247	1203
Sulfur	ppm	ASTM D5185m		4113	4028	3380
Visc @ 40°C	cSt	ASTM D445	57.0	53.1	53.1	51.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214318 **Received** : 24 Apr 2024
Lab Number : 06159869 **Tested** : 25 Apr 2024
Unique Number : 10995292 **Diagnosed** : 25 Apr 2024 - Wes Davis
Test Package : CONST (Additional Tests: 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)