



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[05W45976]

Machine Id
JOHN DEERE 750L 1T0750LXCNF430917

Component
Right Outer Final Drive

Fluid
JOHN DEERE HY-GARD HYD/TRANS (16 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0210990	JR0195801	JR0154611
Sample Date		Client Info		08 Apr 2024	08 Dec 2023	15 Aug 2023
Machine Age	hrs	Client Info		2480	1441	1441
Oil Age	hrs	Client Info		510	1441	1441
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	None	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	96	229	183
Iron	ppm	ASTM D5185m	>750	107	393	294
Chromium	ppm	ASTM D5185m	>9	<1	2	2
Nickel	ppm	ASTM D5185m	>10	<1	3	2
Titanium	ppm	ASTM D5185m		1	3	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	16	34	34
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	<1	<1	1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

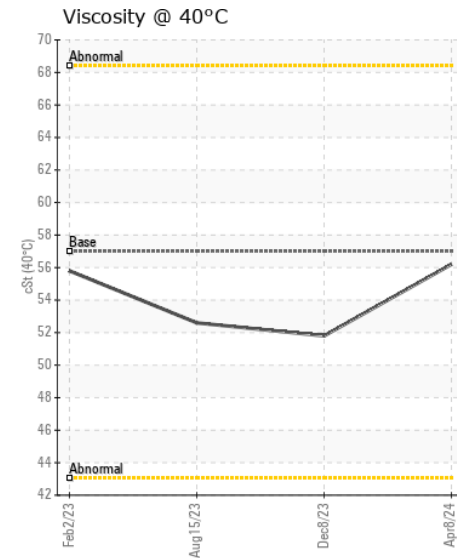
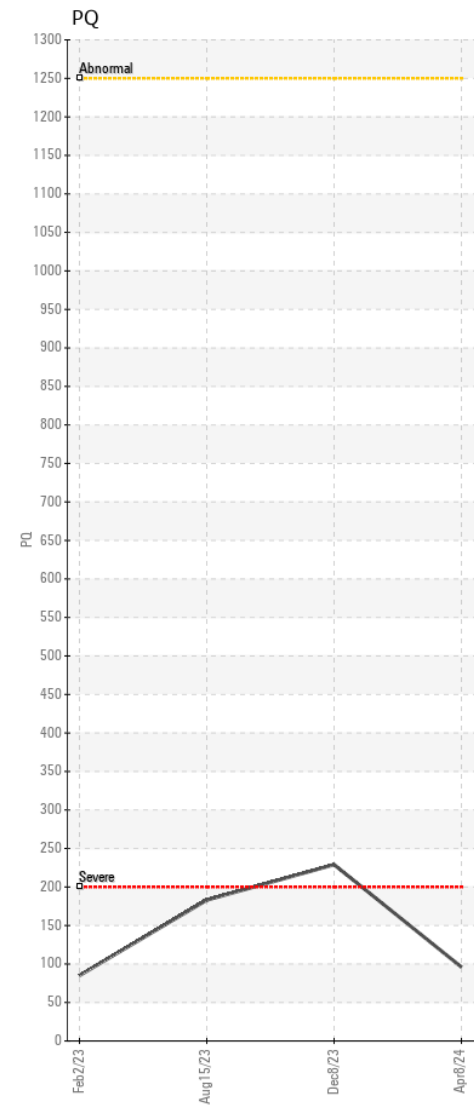
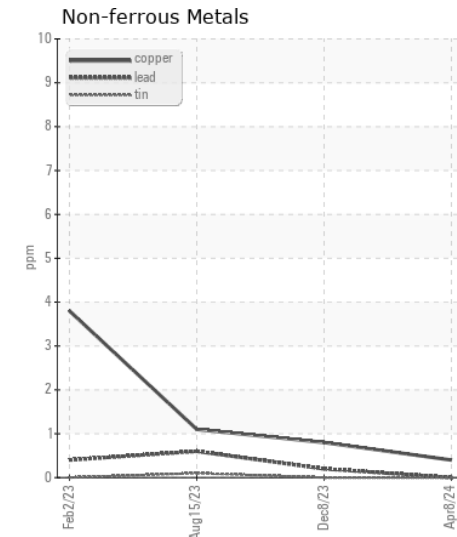
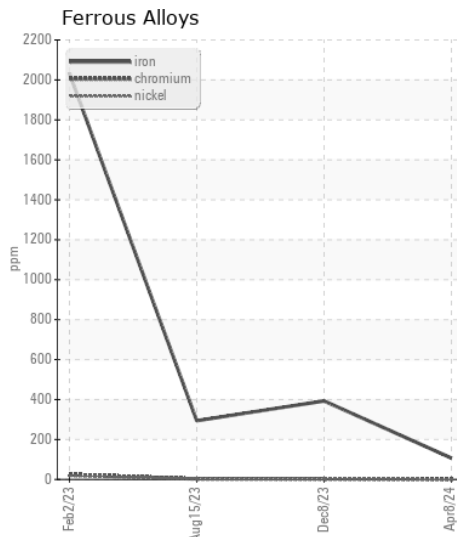
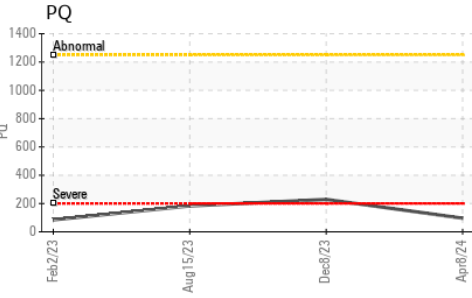
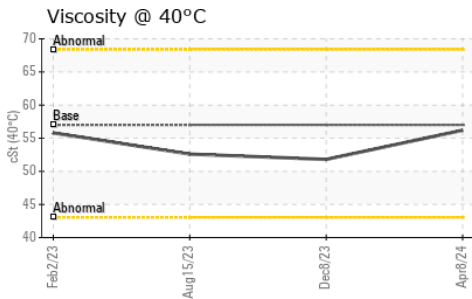
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	54	108	89
Potassium	ppm	ASTM D5185m	>20	9	8	4
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	<1	4
Boron	ppm	ASTM D5185m	6	9	<1	<1
Barium	ppm	ASTM D5185m	0	0	0	6
Molybdenum	ppm	ASTM D5185m	0	7	<1	0
Manganese	ppm	ASTM D5185m		<1	4	4
Magnesium	ppm	ASTM D5185m	145	115	111	111
Calcium	ppm	ASTM D5185m	3570	3531	3698	3569
Phosphorus	ppm	ASTM D5185m	1290	1195	1065	1053
Zinc	ppm	ASTM D5185m	1640	1277	1323	1293
Sulfur	ppm	ASTM D5185m		4231	4338	4430
Visc @ 40°C	cSt	ASTM D445	57.0	56.2	51.8	52.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210990 **Received** : 10 Apr 2024
Lab Number : 06145394 **Tested** : 12 Apr 2024
Unique Number : 10970202 **Diagnosed** : 12 Apr 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

Contact: TECHNICIAN ACCOUNT
 catherine.anastasio@wearcheck.com

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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