



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[16W15504]

Machine Id

JOHN DEERE 750L 1T0750LXEMF411340

Component

Left Outer Final Drive

Fluid

JOHN DEERE HY-GARD HYD/TRANS (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W15504)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196528	JR0173397	JR0136219
Sample Date		Client Info		05 Feb 2024	29 Jul 2023	22 Oct 2022
Machine Age	hrs	Client Info		2008	1567	995
Oil Age	hrs	Client Info		1013	572	995
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	36	31	41
Iron	ppm	ASTM D5185m	>750	32	25	69
Chromium	ppm	ASTM D5185m	>9	<1	0	1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	4	3
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	0	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

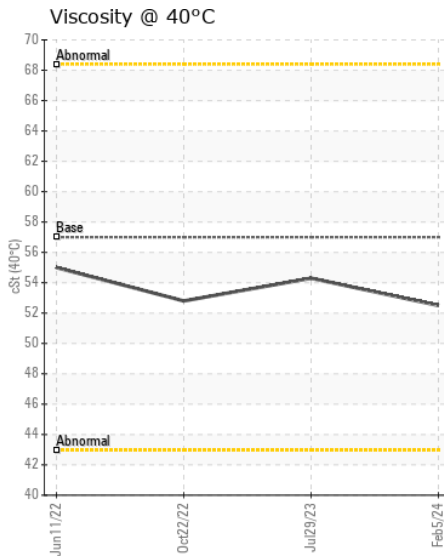
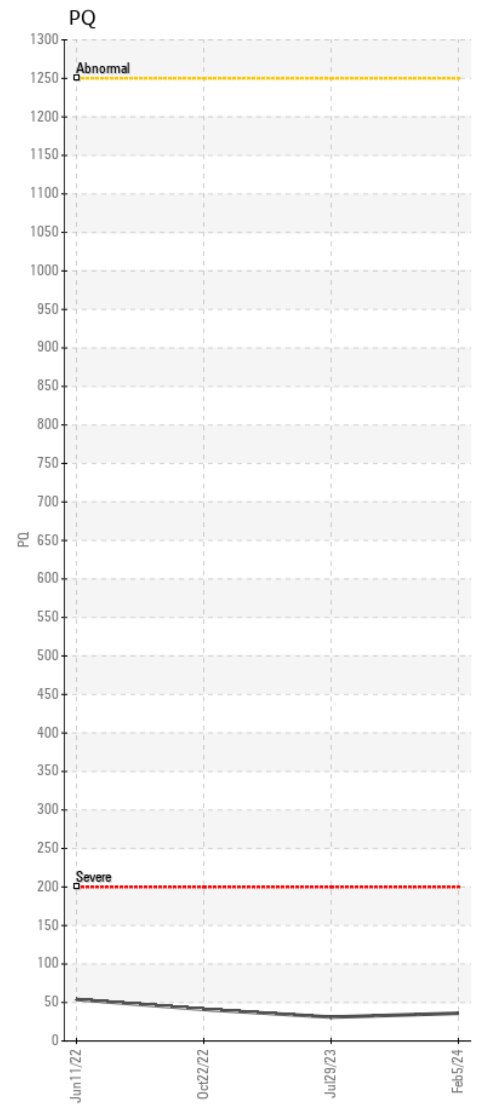
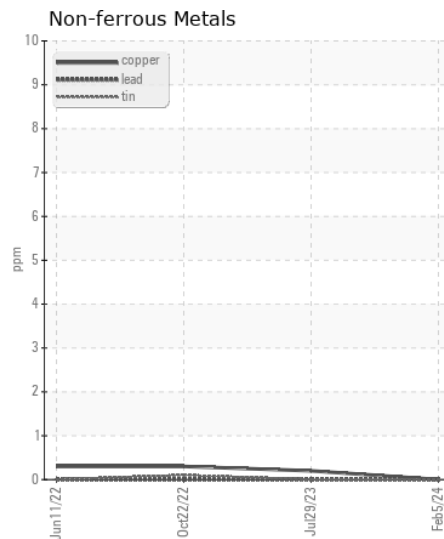
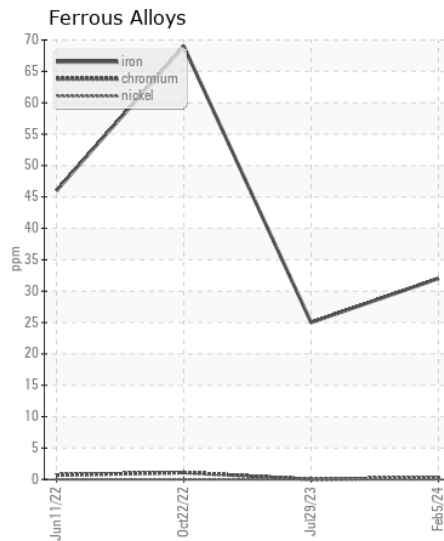
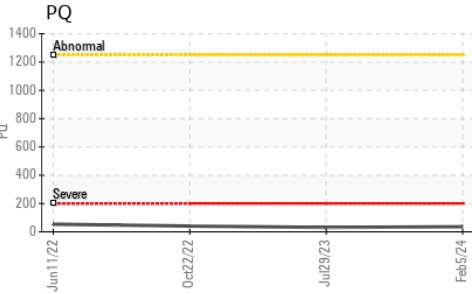
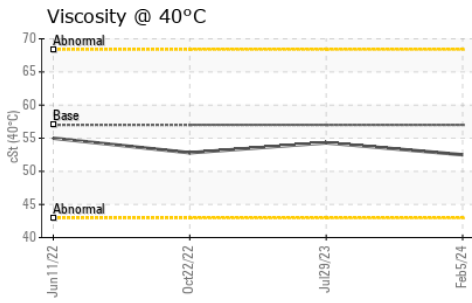
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	9	10	8
Potassium	ppm	ASTM D5185m	>20	1	2	<1
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	2
Boron	ppm	ASTM D5185m	6	1	0	7
Barium	ppm	ASTM D5185m	0	2	0	4
Molybdenum	ppm	ASTM D5185m	0	<1	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	1
Magnesium	ppm	ASTM D5185m	145	107	97	95
Calcium	ppm	ASTM D5185m	3570	3223	3661	3478
Phosphorus	ppm	ASTM D5185m	1290	852	1033	966
Zinc	ppm	ASTM D5185m	1640	1340	1270	1180
Sulfur	ppm	ASTM D5185m		3211	4098	4404
Visc @ 40°C	cSt	ASTM D445	57.0	52.5	54.3	52.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196528 **Received** : 07 Feb 2024
Lab Number : 06082772 **Tested** : 08 Feb 2024
Unique Number : 10870217 **Diagnosed** : 09 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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

Contact: WILMINGTON SHOP

todd.simmons@jamesriverequipment.com; canastasio@wearcheck.com; canastasio@we

T: (910)675-9211

F:

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)