



Area

[W8794]

Machine Id

JOHN DEERE 750L 1DW750LXANF429592

Component

Left Outer Final Drive

Fluid

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

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: W8794)

WEAR

All component wear rates are normal.

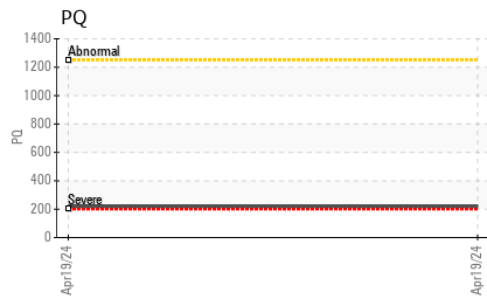
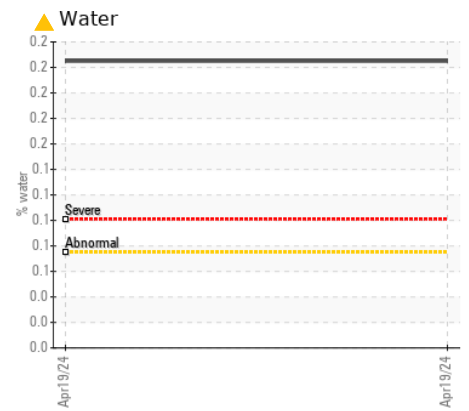
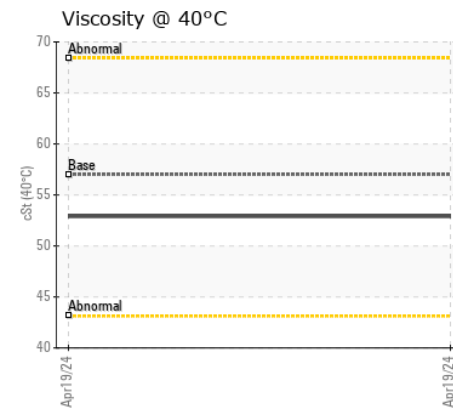
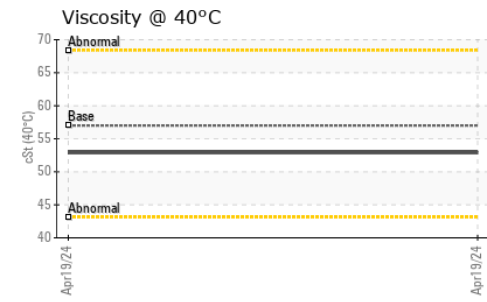
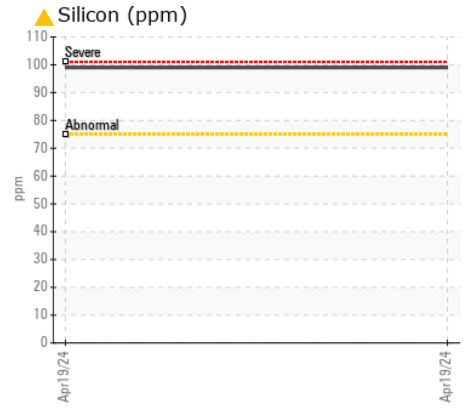
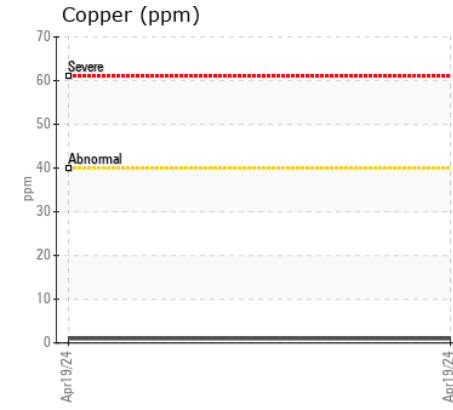
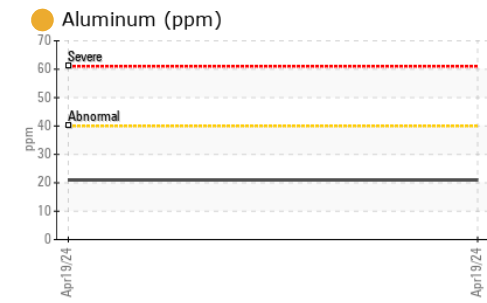
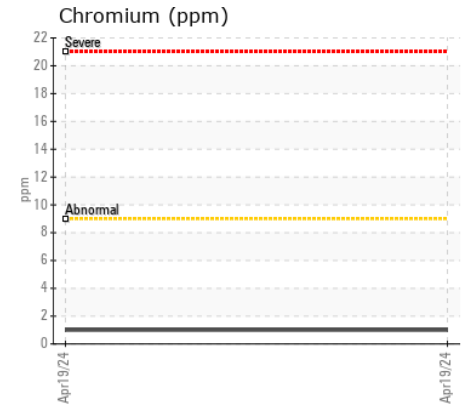
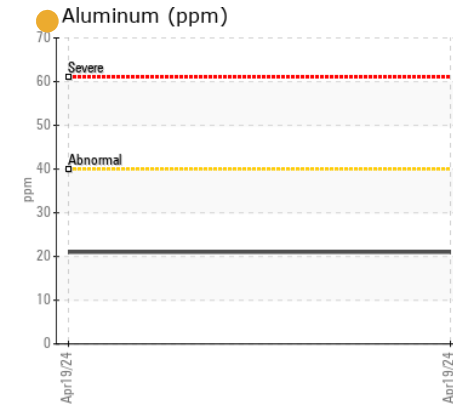
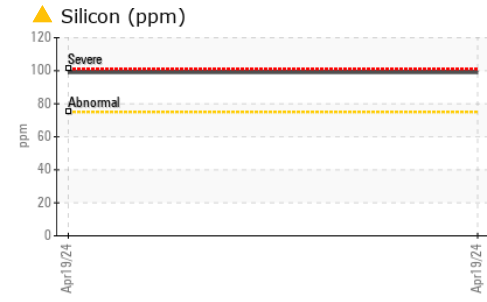
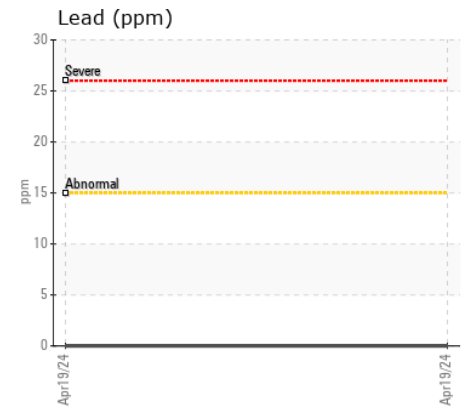
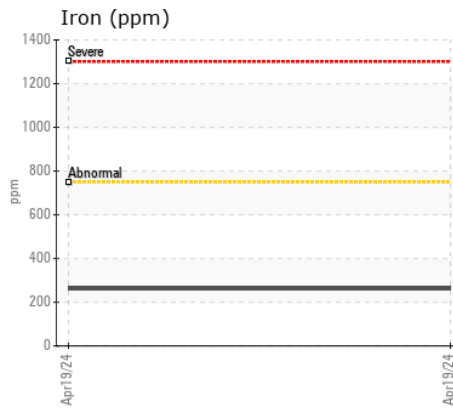
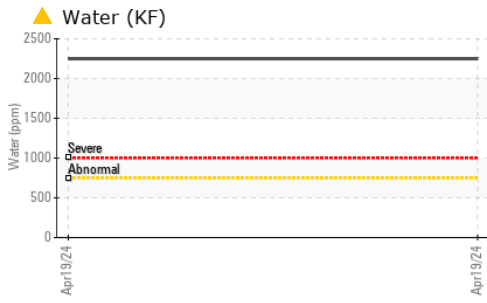
CONTAMINATION

There is a light concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197197	---	---
Sample Date		Client Info		19 Apr 2024	---	---
Machine Age	hrs	Client Info		2968	---	---
Oil Age	hrs	Client Info		2968	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
PQ		ASTM D8184	>1250	219	---	---
Iron	ppm	ASTM D5185m	>750	262	---	---
Chromium	ppm	ASTM D5185m	>9	1	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	21	---	---
Lead	ppm	ASTM D5185m	>15	0	---	---
Copper	ppm	ASTM D5185m	>40	1	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	99	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
Water	%	ASTM D6304	>0.075	0.225	---	---
ppm Water	ppm	ASTM D6304	>750	2250	---	---
Silt	scalar	*Visual	NONE	LIGHT	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.075	0.2%	---	---
Sodium	ppm	ASTM D5185m	>51	<1	---	---
Boron	ppm	ASTM D5185m	6	6	---	---
Barium	ppm	ASTM D5185m	0	0	---	---
Molybdenum	ppm	ASTM D5185m	0	5	---	---
Manganese	ppm	ASTM D5185m		3	---	---
Magnesium	ppm	ASTM D5185m	145	126	---	---
Calcium	ppm	ASTM D5185m	3570	3653	---	---
Phosphorus	ppm	ASTM D5185m	1290	1082	---	---
Zinc	ppm	ASTM D5185m	1640	1286	---	---
Sulfur	ppm	ASTM D5185m		4151	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	52.9	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197197 **Received** : 24 Apr 2024
Lab Number : 06159357 **Tested** : 25 Apr 2024
Unique Number : 10994780 **Diagnosed** : 26 Apr 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: KF, PQ)

JRE - HOPE MILLS/FAYETTEVILLE
 5039 HWY 301 SOUTH
 HOPE MILLS, NC
 US 28348
 Contact: FAYETTEVILLE SHOP
 stephen.mullis@jamesriverequipment.com; canastasio@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)

T:
F: