



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W8862]
 Machine Id
JOHN DEERE 850K 1T0850KXJHF318966
 Component
Right Outer Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W8862)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196985	JR0108258	---
Sample Date		Client Info		06 May 2024	04 Nov 2021	---
Machine Age	hrs	Client Info		4412	2405	---
Oil Age	hrs	Client Info		4412	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	259	510	---
Iron	ppm	ASTM D5185m	>750	335	▲ 816	---
Chromium	ppm	ASTM D5185m	>9	2	5	---
Nickel	ppm	ASTM D5185m	>10	3	7	---
Titanium	ppm	ASTM D5185m		<1	4	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>40	7	● 50	---
Lead	ppm	ASTM D5185m	>15	2	2	---
Copper	ppm	ASTM D5185m	>40	<1	3	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

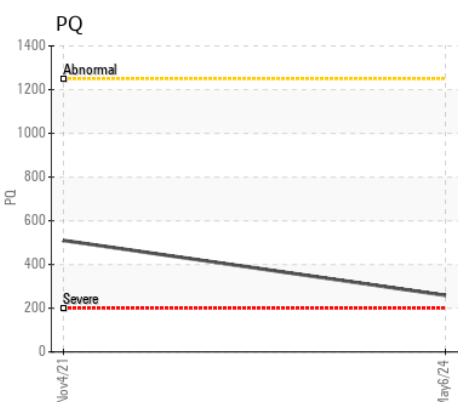
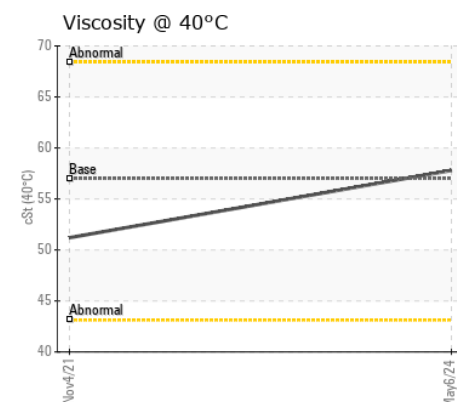
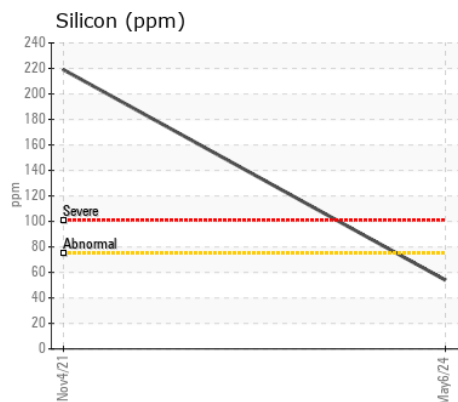
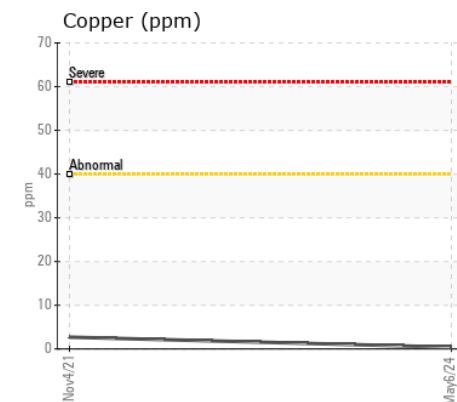
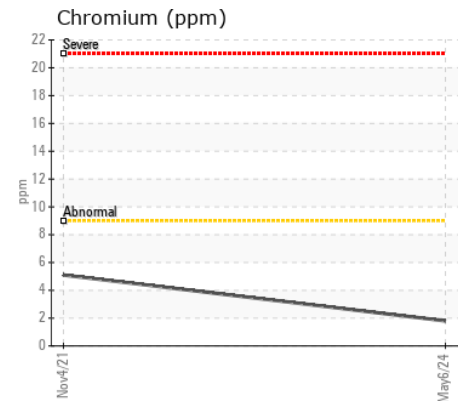
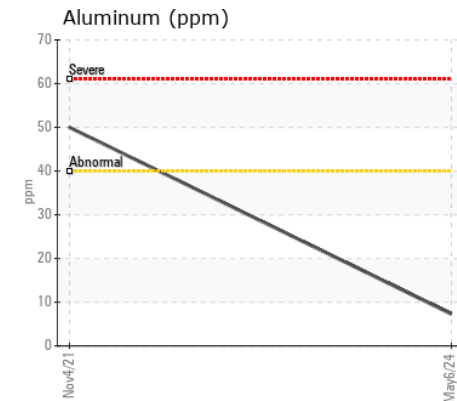
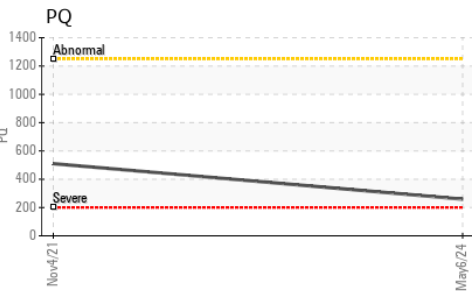
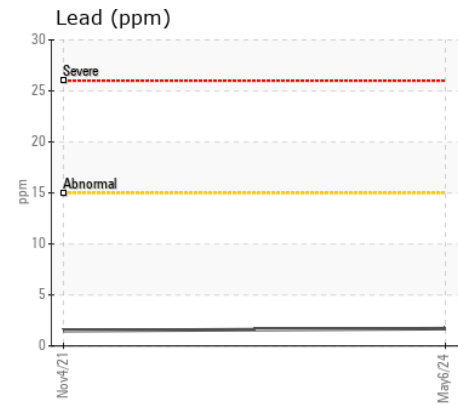
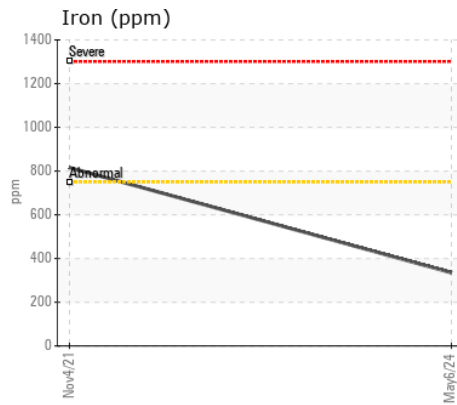
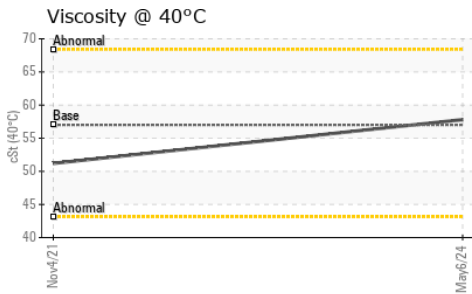
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	54	▲ 219	---
Potassium	ppm	ASTM D5185m	>20	2	25	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	1	6	---
Boron	ppm	ASTM D5185m	6	0	0	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	0	2	2	---
Manganese	ppm	ASTM D5185m		3	8	---
Magnesium	ppm	ASTM D5185m	145	115	123	---
Calcium	ppm	ASTM D5185m	3570	3681	4189	---
Phosphorus	ppm	ASTM D5185m	1290	1134	1194	---
Zinc	ppm	ASTM D5185m	1640	1466	1364	---
Sulfur	ppm	ASTM D5185m		4559	3699	---
Visc @ 40°C	cSt	ASTM D445	57.0	57.8	51.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196985 **Received** : 09 May 2024
Lab Number : 06174208 **Tested** : 10 May 2024
Unique Number : 11020261 **Diagnosed** : 12 May 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: 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)

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F: