



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W8862]
 Machine Id
JOHN DEERE 850K 1T0850KXJHF318966
 Component
Transmission
 Fluid
JOHN DEERE HYDRAU (25 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		JR0196986	JR0108256	---
Sample Date		Client Info		06 May 2024	04 Nov 2021	---
Machine Age	hrs	Client Info		4412	2405	---
Oil Age	hrs	Client Info		4412	2405	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	20	21	---
Iron	ppm	ASTM D5185m	>61	26	25	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m		2	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	<1	0	---
Lead	ppm	ASTM D5185m	>9	3	2	---
Copper	ppm	ASTM D5185m	>100	18	17	---
Tin	ppm	ASTM D5185m	>3	1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

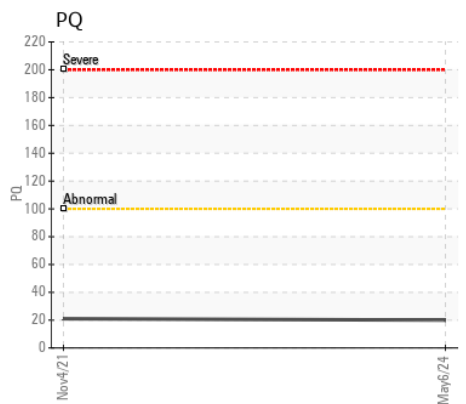
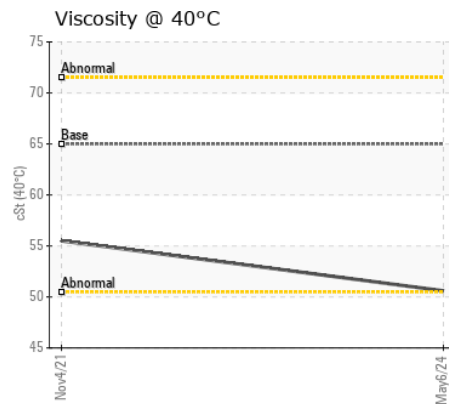
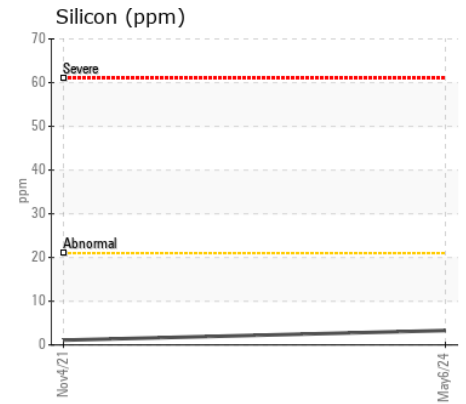
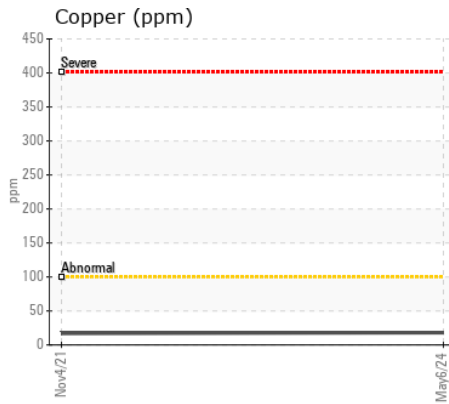
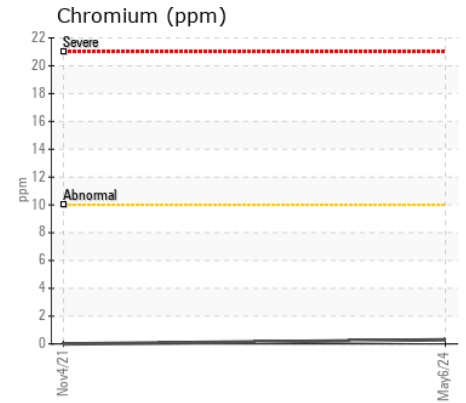
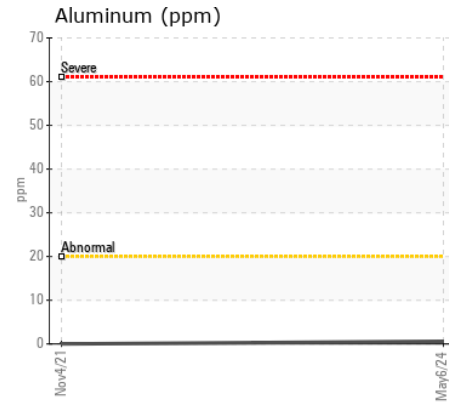
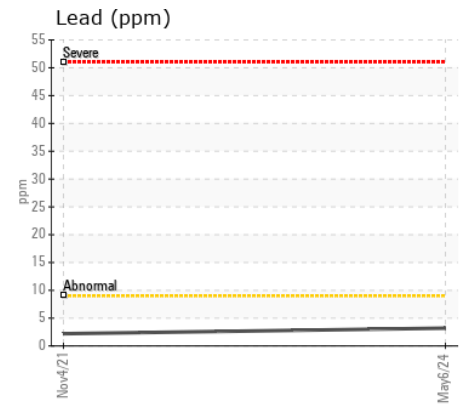
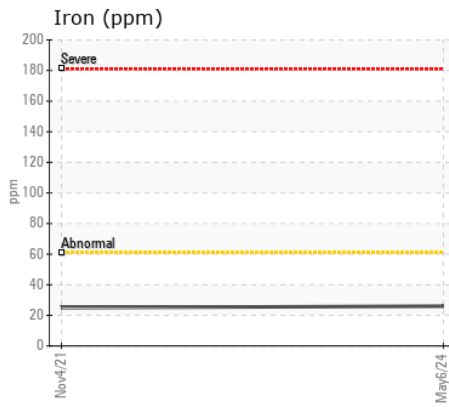
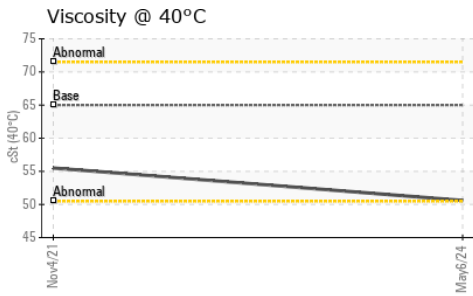
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>21	3	1	---
Potassium	ppm	ASTM D5185m	>20	4	1	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>30	0	<1	---
Boron	ppm	ASTM D5185m		2	4	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		2	<1	---
Manganese	ppm	ASTM D5185m		1	<1	---
Magnesium	ppm	ASTM D5185m		7	2	---
Calcium	ppm	ASTM D5185m	87	282	86	---
Phosphorus	ppm	ASTM D5185m	727	596	596	---
Zinc	ppm	ASTM D5185m	900	741	766	---
Sulfur	ppm	ASTM D5185m	1500	1781	1519	---
Visc @ 40°C	cSt	ASTM D445	65	50.6	55.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196986 **Received** : 09 May 2024
Lab Number : 06174088 **Tested** : 10 May 2024
Unique Number : 11020141 **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)

T:
F: