



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W21770-TIPTON]

Machine Id
JOHN DEERE 3038E 1LV3038ECFH716286

Component
Transmission

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0210837	---	---
Sample Date		Client Info		16 Apr 2024	---	---
Machine Age	hrs	Client Info		408	---	---
Oil Age	hrs	Client Info		408	---	---
Filter Age	hrs	Client Info		408	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	28	---	---
Iron	ppm	ASTM D5185m	>61	67	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m		<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>20	7	---	---
Lead	ppm	ASTM D5185m	>9	4	---	---
Copper	ppm	ASTM D5185m	>100	52	---	---
Tin	ppm	ASTM D5185m	>3	4	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

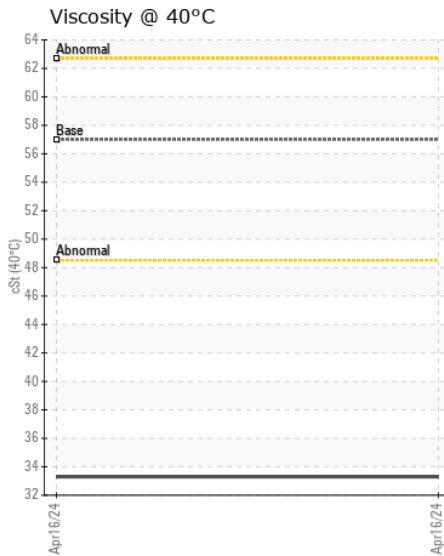
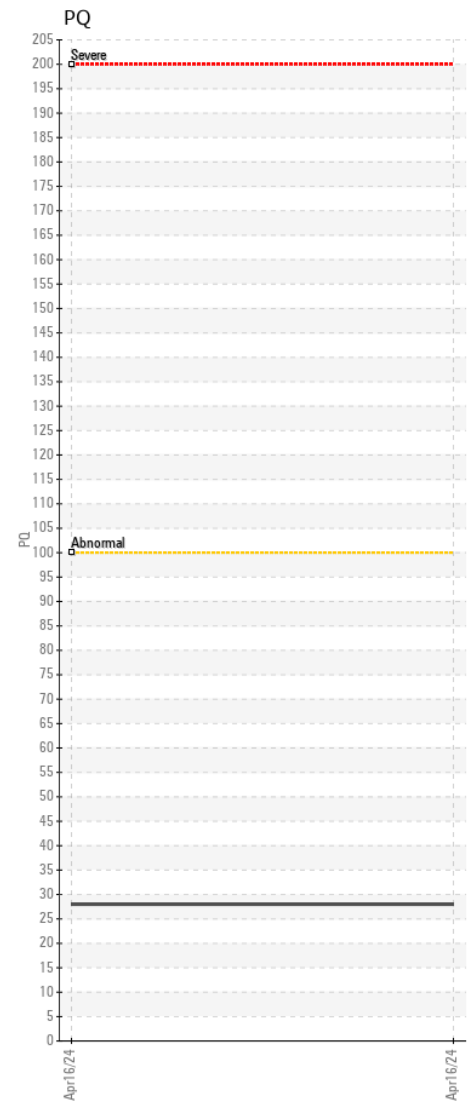
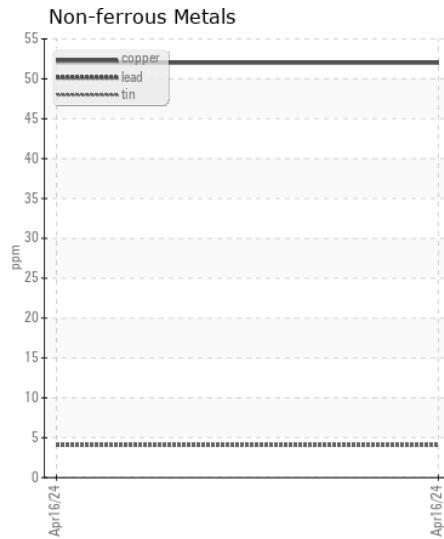
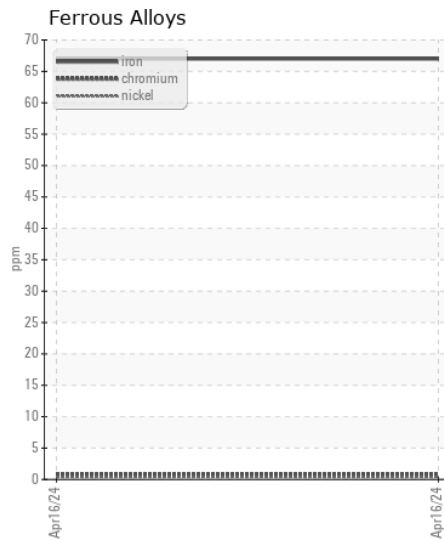
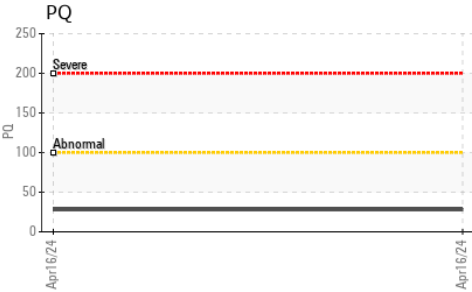
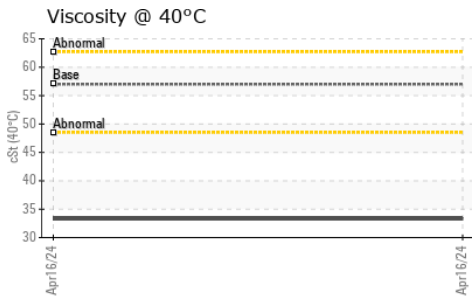
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	10	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Water		WC Method	>0.075	NEG	---	---
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	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>30	5	---	---
Boron	ppm	ASTM D5185m	6	2	---	---
Barium	ppm	ASTM D5185m	0	<1	---	---
Molybdenum	ppm	ASTM D5185m	0	<1	---	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m	145	88	---	---
Calcium	ppm	ASTM D5185m	3570	3177	---	---
Phosphorus	ppm	ASTM D5185m	1290	985	---	---
Zinc	ppm	ASTM D5185m	1640	1205	---	---
Sulfur	ppm	ASTM D5185m		3563	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	33.3	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0210837

Lab Number : 06158519

Unique Number : 10993942

Test Package : CONST (Additional Tests: PQ)

Received : 23 Apr 2024

Tested : 25 Apr 2024

Diagnosed : 25 Apr 2024 - Don Baldrige

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)

JRE - BURKEVILLE

510 WEST COLONIAL DR

BURKEVILLE, VA

US 23922

Contact: RACHEL HARRIS

RACHEL.HARRIS@JAMESRIVEREQUIPMENT.COM

T: (434)767-5578

F: (434)767-3774