



Area
[W65102]
Machine Id
A30G753470
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (10)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: W65102)

WEAR

All component wear rates are normal.

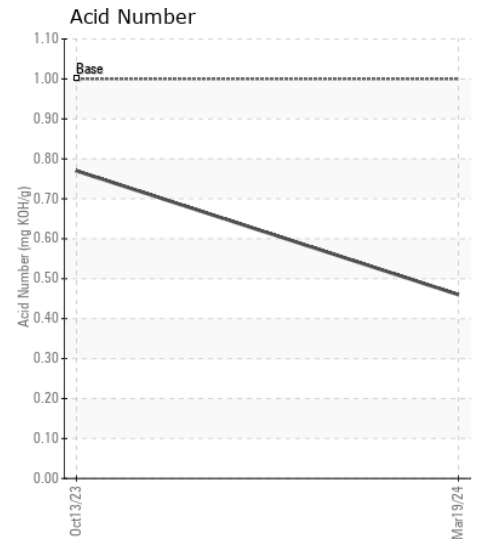
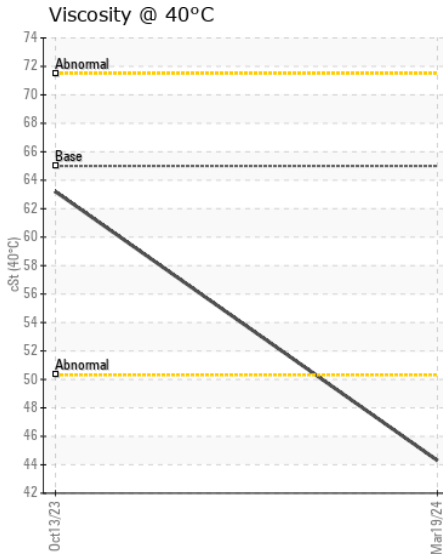
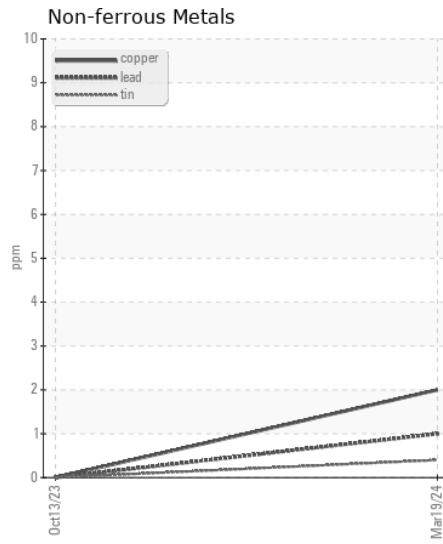
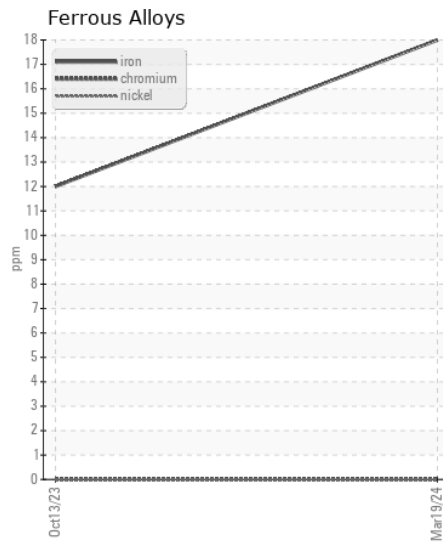
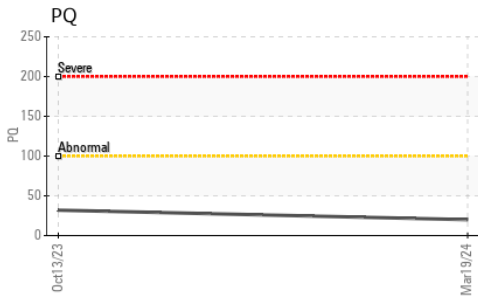
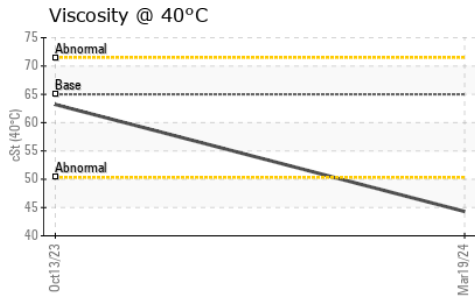
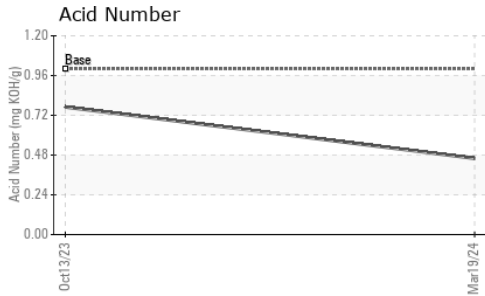
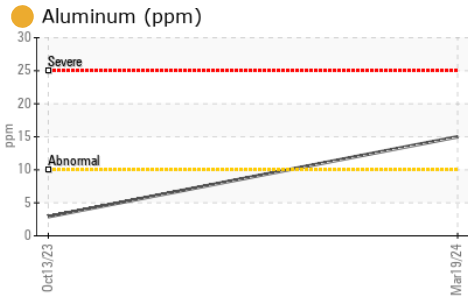
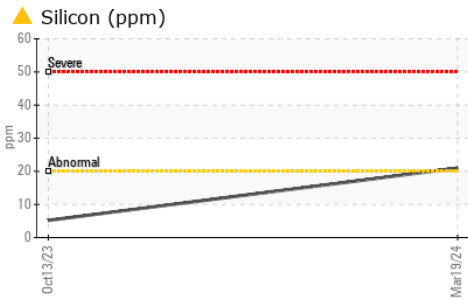
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High concentration of visible dirt/debris present in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0205705	JR0189170	---
Sample Date		Client Info		19 Mar 2024	13 Oct 2023	---
Machine Age	hrs	Client Info		1095	593	---
Oil Age	hrs	Client Info		1095	593	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				ABNORMAL	ABNORMAL	---
PQ		ASTM D8184		20	32	---
Iron	ppm	ASTM D5185m	>20	18	12	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	15	3	---
Lead	ppm	ASTM D5185m	>10	1	0	---
Copper	ppm	ASTM D5185m	>75	2	0	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>20	▲ 21	5	---
Potassium	ppm	ASTM D5185m	>20	<1	1	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	▲ HEAVY	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185m		<1	2	---
Boron	ppm	ASTM D5185m		0	4	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	4	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		2	11	---
Calcium	ppm	ASTM D5185m	87	67	116	---
Phosphorus	ppm	ASTM D5185m	727	337	654	---
Zinc	ppm	ASTM D5185m	900	419	871	---
Sulfur	ppm	ASTM D5185m	1500	2613	1658	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.46	0.77	---
Visc @ 40°C	cSt	ASTM D445	65	44.3	63.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205705 **Received** : 20 Mar 2024
Lab Number : 06123548 **Tested** : 25 Mar 2024
Unique Number : 10937699 **Diagnosed** : 25 Mar 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.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: (704)597-0211

F: (704)596-6198