



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 700J T0700JX116791
Component
Right Final Drive
Fluid
TDTO FLUID SAE 30 (--- QTS)

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.

WEAR

All component wear rates are normal.

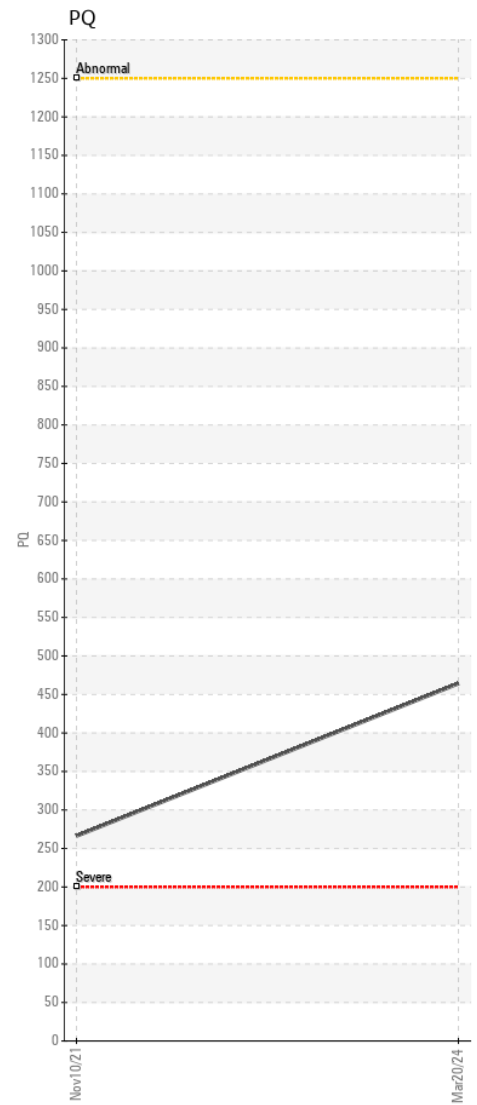
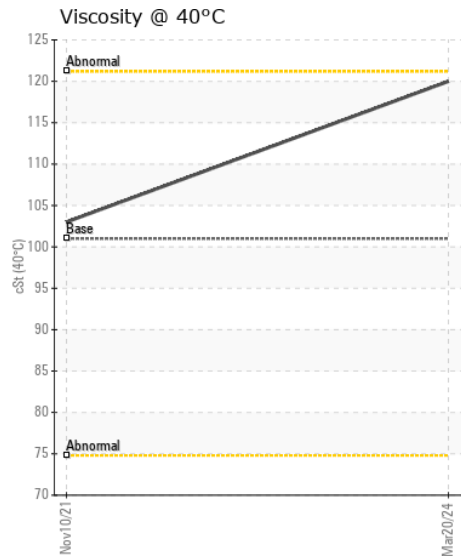
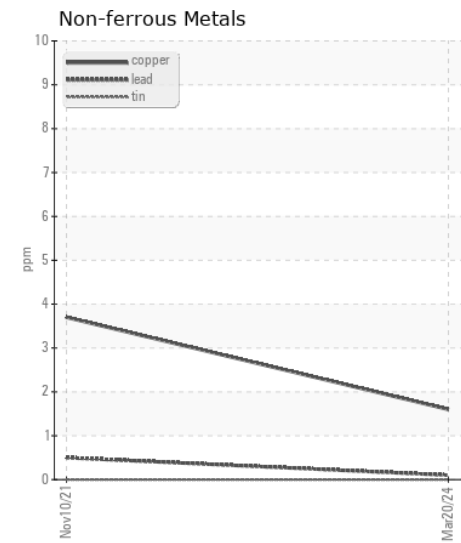
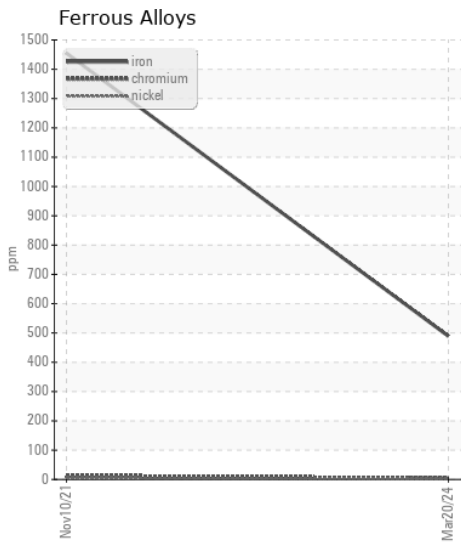
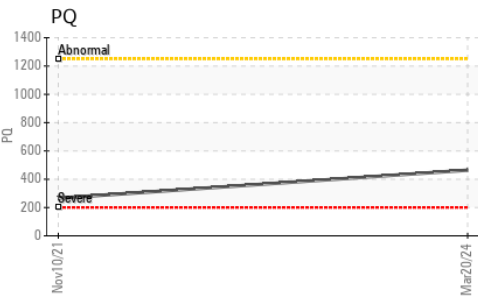
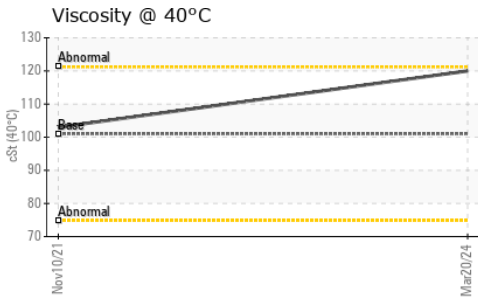
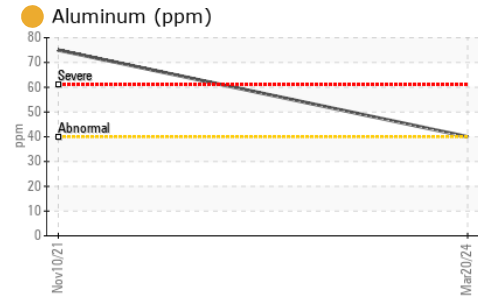
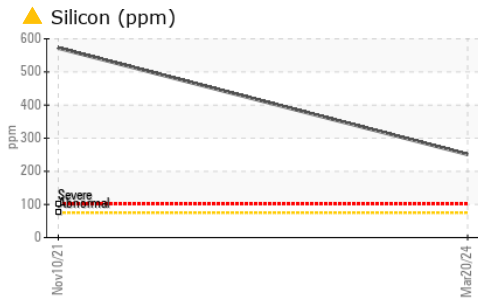
CONTAMINATION

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		JR0208773	JR0089902	---
Sample Date		Client Info		20 Mar 2024	10 Nov 2021	---
Machine Age	hrs	Client Info		5377	5377	---
Oil Age	hrs	Client Info		5377	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	SEVERE	---
PQ		ASTM D8184	>1250	464	266	---
Iron	ppm	ASTM D5185m	>750	489	▲ 1455	---
Chromium	ppm	ASTM D5185m	>9	4	▲ 13	---
Nickel	ppm	ASTM D5185m	>10	2	6	---
Titanium	ppm	ASTM D5185m		7	9	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>40	40	75	---
Lead	ppm	ASTM D5185m	>15	<1	<1	---
Copper	ppm	ASTM D5185m	>40	2	4	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	MODER	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	▲ 251	▲ 572	---
Potassium	ppm	ASTM D5185m	>20	27	17	---
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	---
Sodium	ppm	ASTM D5185m	>51	0	<1	---
Boron	ppm	ASTM D5185m	37	167	5	---
Barium	ppm	ASTM D5185m	7	2	0	---
Molybdenum	ppm	ASTM D5185m	5	3	9	---
Manganese	ppm	ASTM D5185m		4	13	---
Magnesium	ppm	ASTM D5185m	40	11	0	---
Calcium	ppm	ASTM D5185m	2650	314	3589	---
Phosphorus	ppm	ASTM D5185m	1050	927	1219	---
Zinc	ppm	ASTM D5185m	1075	130	1325	---
Sulfur	ppm	ASTM D5185m	5750	22265	3001	---
Visc @ 40°C	cSt	ASTM D445	101	120	103	---



Certificate L2367

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

Sample No. : JR0208773

Lab Number : 06125147

Unique Number : 10939298

Test Package : CONST (Additional Tests: PQ)

Received : 21 Mar 2024

Tested : 24 Mar 2024

Diagnosed : 25 Mar 2024 - Sean Felton

JRE - GREENVILLE

3604 HIGHWAY 264 E

GREENVILLE, NC

US 27834-5800

Contact: GREENVILLE SHOP

christopher.martin@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:

F: