



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
JOHN DEERE 7700 RW7700P007006

Component
Differential

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0205588	JR0144831	---
Sample Date		Client Info		19 Mar 2024	17 Mar 2023	---
Machine Age	hrs	Client Info		8571	8355	---
Oil Age	hrs	Client Info		8571	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ATTENTION	ATTENTION	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		143	62	---
Iron	ppm	ASTM D5185m	>500	232	129	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	3	2	---
Lead	ppm	ASTM D5185m	>25	<1	0	---
Copper	ppm	ASTM D5185m	>100	8	6	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	MODER	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

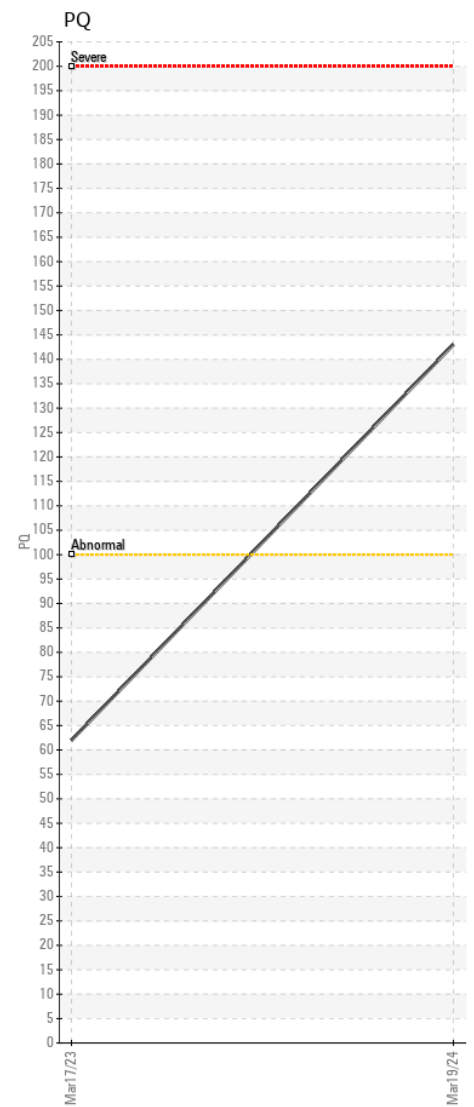
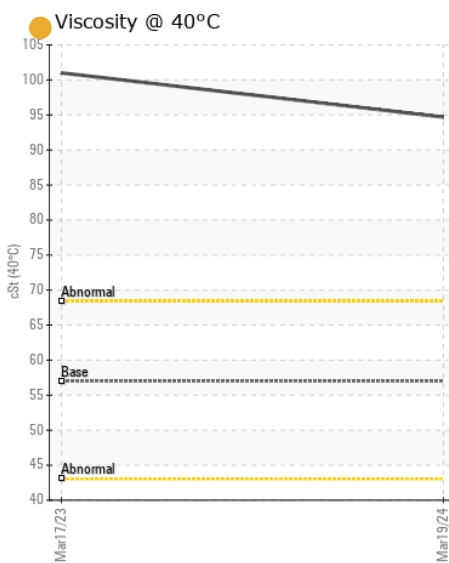
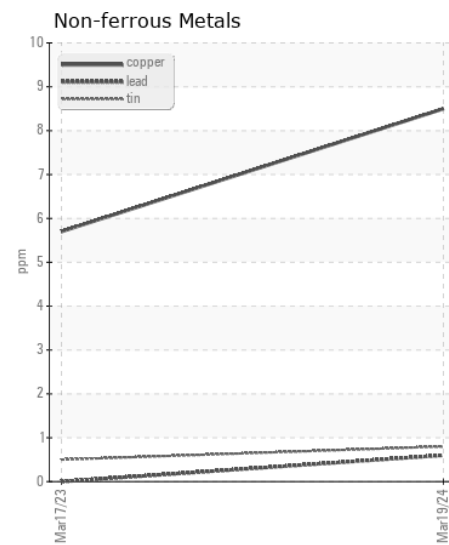
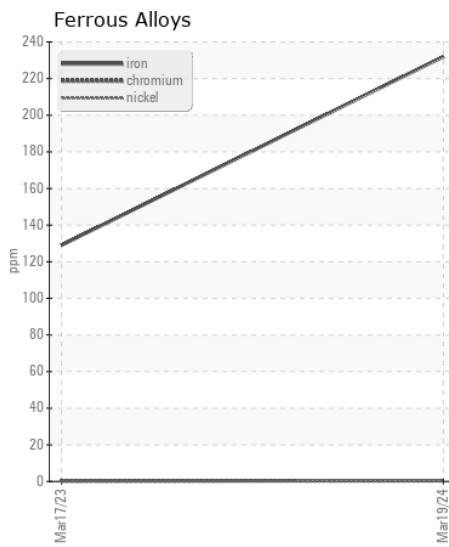
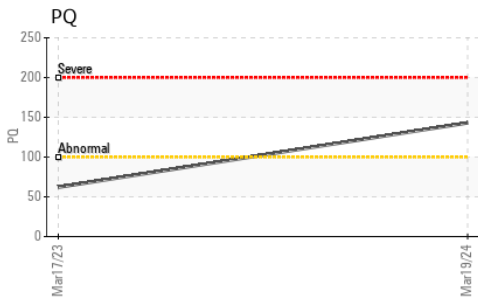
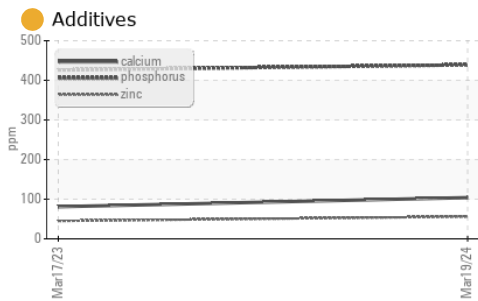
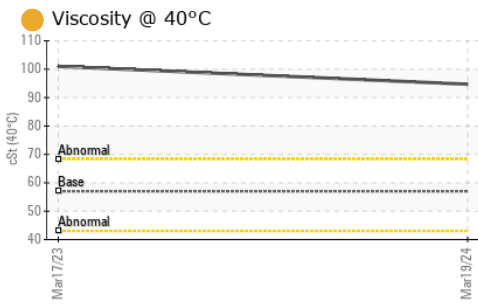
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	5	---
Potassium	ppm	ASTM D5185m	>20	3	<1	---
Water		WC Method	>.2	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	>.2	NEG	NEG	---

FLUID CONDITION

The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		10	8	---
Boron	ppm	ASTM D5185m	6	26	20	---
Barium	ppm	ASTM D5185m	0	3	0	---
Molybdenum	ppm	ASTM D5185m	0	249	181	---
Manganese	ppm	ASTM D5185m		3	2	---
Magnesium	ppm	ASTM D5185m	145	6	7	---
Calcium	ppm	ASTM D5185m	3570	104	81	---
Phosphorus	ppm	ASTM D5185m	1290	439	426	---
Zinc	ppm	ASTM D5185m	1640	56	45	---
Sulfur	ppm	ASTM D5185m		15265	15018	---
Visc @ 40°C	cSt	ASTM D445	57.0	94.7	101	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205588 **Received** : 21 Mar 2024
Lab Number : 06125137 **Tested** : 25 Mar 2024
Unique Number : 10939288 **Diagnosed** : 25 Mar 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - ROCK HILL
 380 ANDERSON ROAD
 ROCK HILL, SC
 US 29730
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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)