



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**JOHN DEERE 450J T0450JX156983**  
Component  
**Transmission**  
Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (25 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0194477</b>	JR0099930	JRMC432890
Sample Date		Client Info		<b>10 Jan 2024</b>	10 Oct 2021	03 Nov 2016
Machine Age	hrs	Client Info		<b>63785</b>	5781	3832
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	<b>14</b>	21	11.0
Iron	ppm	ASTM D5185m	>61	<b>0</b>	5	6
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>20	<b>1</b>	3	3
Lead	ppm	ASTM D5185m	>9	<b>2</b>	4	4
Copper	ppm	ASTM D5185m	>100	<b>6</b>	14	17
Tin	ppm	ASTM D5185m	>3	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

There is no indication of any contamination in the fluid.

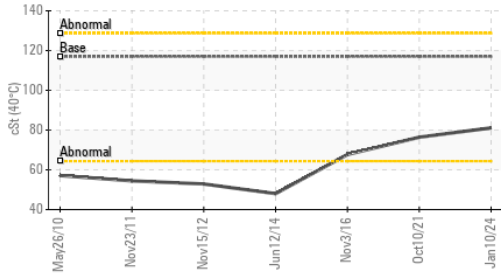
Silicon	ppm	ASTM D5185m	>21	<b>5</b>	7	5
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	9	3
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

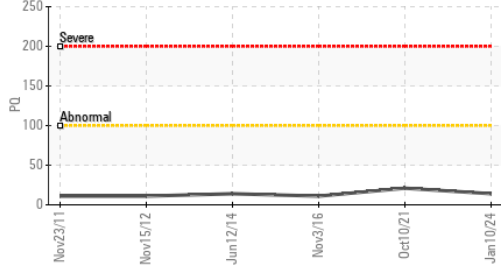
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>30	<b>2</b>	6	3
Boron	ppm	ASTM D5185m		<b>221</b>	232	183
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>197</b>	213	172
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>669</b>	761	639
Calcium	ppm	ASTM D5185m		<b>1265</b>	1608	1685
Phosphorus	ppm	ASTM D5185m		<b>763</b>	842	914
Zinc	ppm	ASTM D5185m		<b>995</b>	1078	1040
Sulfur	ppm	ASTM D5185m		<b>2849</b>	4941	3687
Visc @ 40°C	cSt	ASTM D445	117	<b>81.1</b>	76.4	67.7

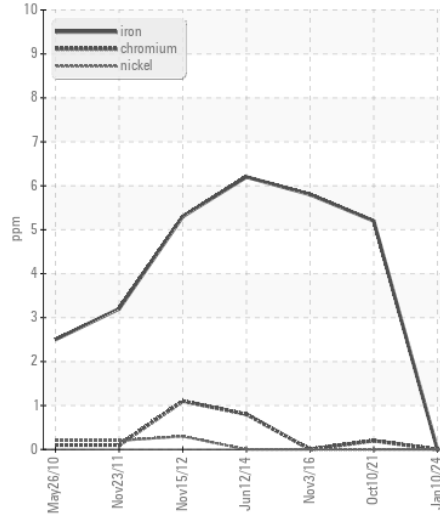
Viscosity @ 40°C



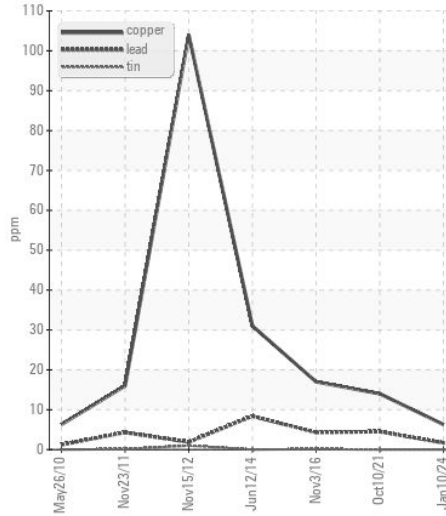
PQ



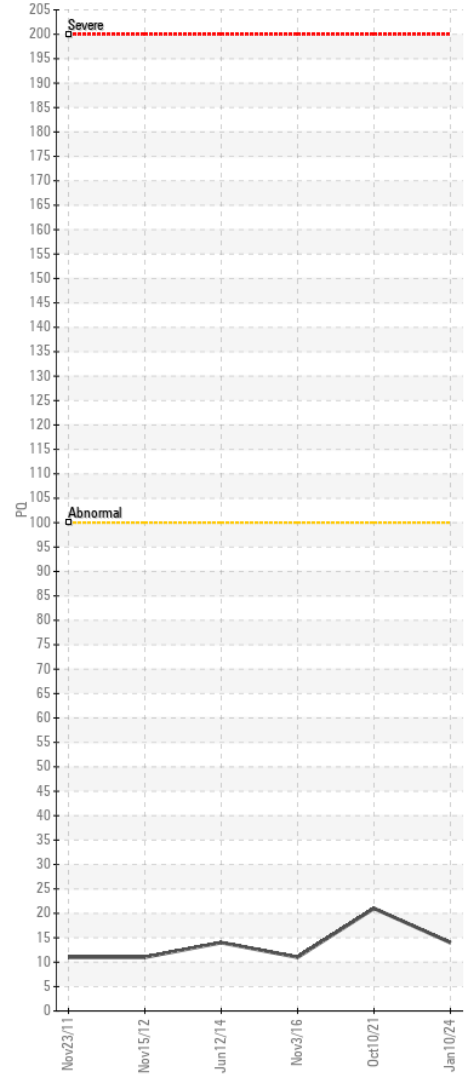
Ferrous Alloys



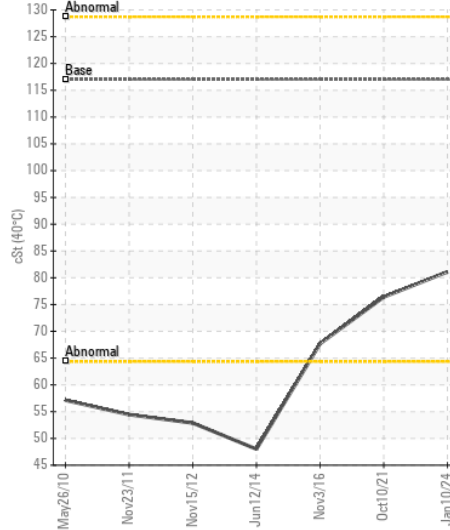
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0194477 **Recieved** : 11 Jan 2024  
**Lab Number** : 06058328 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 10829710 **Diagnostician** : Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**HENNINGS CONSTRUCTION**  
 10011 NC HWY 67  
 EAST BEND, NC  
 US 27018  
 Contact: SERVICE MANAGER

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: (336)677-2444

F: