



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



Machine Id  
**JOHN DEERE 750J 6X25 (S/N T0750JX130818)**  
 Component  
**Diesel Engine**  
 Fluid  
**XTREME 15W40 (--- QTS)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0197056</b>	JR0141078	---
Sample Date		Client Info		<b>12 Jul 2024</b>	07 Jul 2023	---
Machine Age	hrs	Client Info		<b>1823</b>	1725	---
Oil Age	hrs	Client Info		<b>1598</b>	1598	---
Filter Age	hrs	Client Info		<b>1598</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changd</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---

### WEAR

Cylinder, crank, or cam shaft wear is indicated.

Iron	ppm	ASTM D5185m	>51	<b>▲ 56</b>	28	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>31	<b>3</b>	2	---
Lead	ppm	ASTM D5185m	>26	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>26	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

There is no indication of any contamination in the oil.

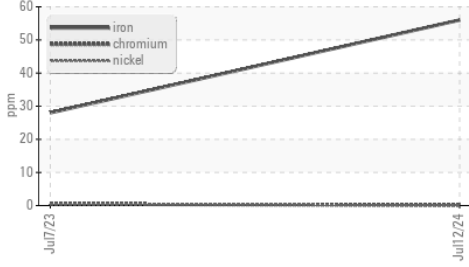
Silicon	ppm	ASTM D5185m	>22	<b>7</b>	5	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.21	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.6</b>	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.2</b>	7.0	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.9</b>	20.9	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.21	<b>NEG</b>	NEG	---

### FLUID CONDITION

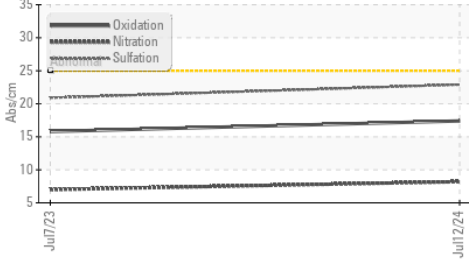
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>31	<b>2</b>	0	---
Boron	ppm	ASTM D5185m		<b>393</b>	553	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>119</b>	121	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>520</b>	579	---
Calcium	ppm	ASTM D5185m		<b>1538</b>	1609	---
Phosphorus	ppm	ASTM D5185m		<b>999</b>	1089	---
Zinc	ppm	ASTM D5185m		<b>1193</b>	1411	---
Sulfur	ppm	ASTM D5185m		<b>3789</b>	4754	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.4</b>	15.8	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.4</b>	8.3	---
Visc @ 100°C	cSt	ASTM D445		<b>14.2</b>	14.0	---

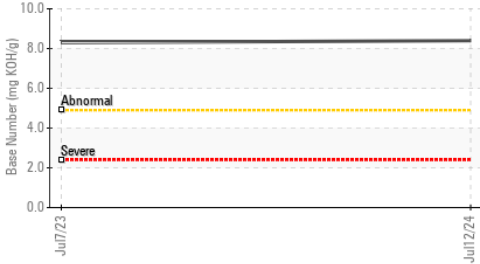
▲ Ferrous Alloys



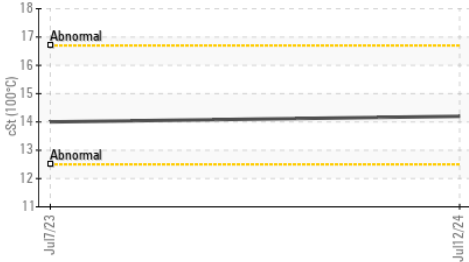
FT-IR (Direct Trend)



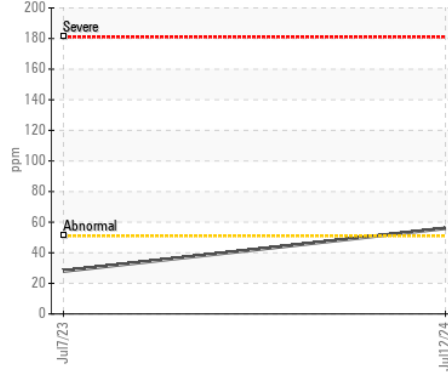
Base Number



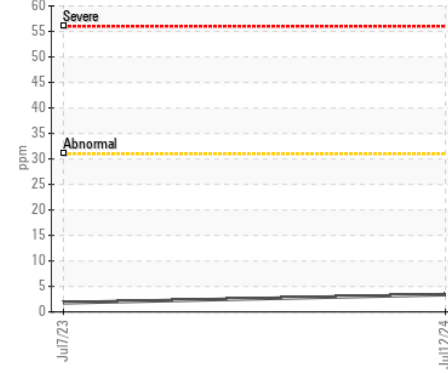
Viscosity @ 100°C



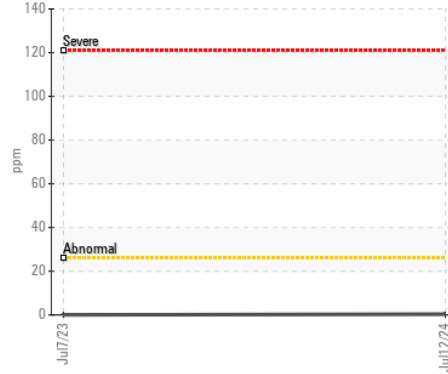
▲ Iron (ppm)



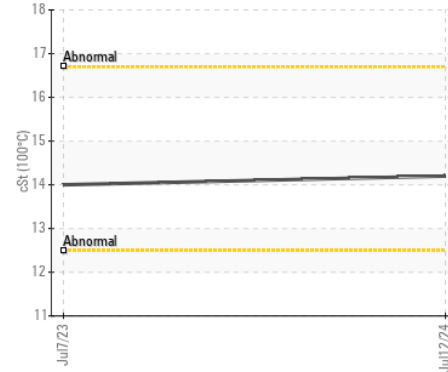
Aluminum (ppm)



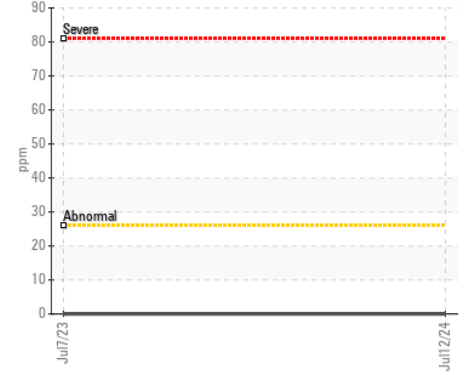
Copper (ppm)



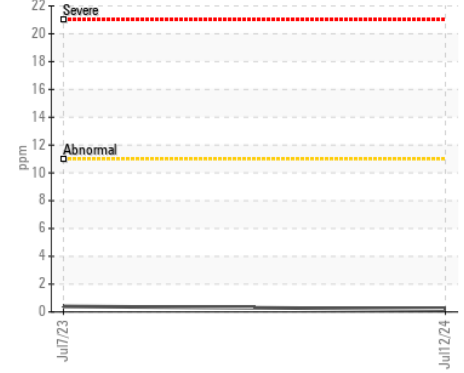
Viscosity @ 100°C



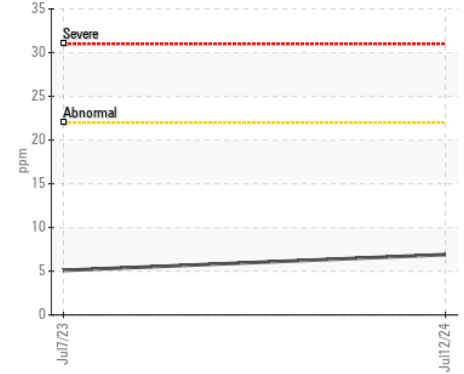
Lead (ppm)



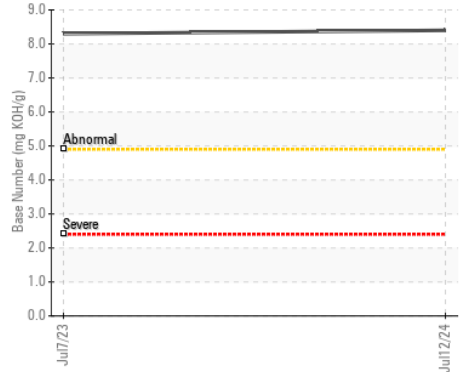
Chromium (ppm)



Silicon (ppm)



Base Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197056 **Received** : 16 Jul 2024  
**Lab Number** : 06237550 **Tested** : 17 Jul 2024  
**Unique Number** : 11126384 **Diagnosed** : 18 Jul 2024 - Sean Felton  
**Test Package** : MOBCE ( Additional Tests: TBN )

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)

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