

# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**


Area

**[W49098]**

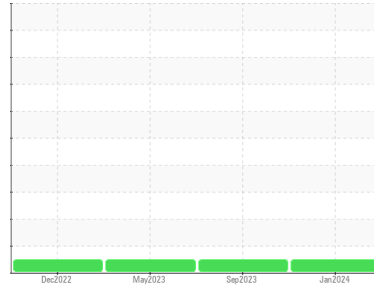
Machine Id

**JOHN DEERE 750L 1T0750LXENF429886**

Component

**Hydraulic System**

Fluid

**JOHN DEERE HYDRAU (--- GAL)**

**DIAGNOSIS**
**Recommendation**

Resample at the next service interval to monitor.

**Wear**

All component wear rates are normal.

**Contamination**

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

**Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>JR0200165</b>	JR0179986	JR0165047
Sample Date	Client Info			<b>11 Jan 2024</b>	25 Sep 2023	09 May 2023
Machine Age	hrs	Client Info		<b>1939</b>	1492	969
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	NEG

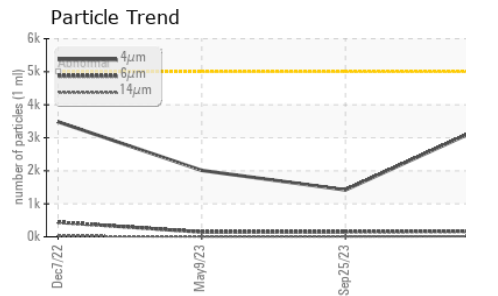
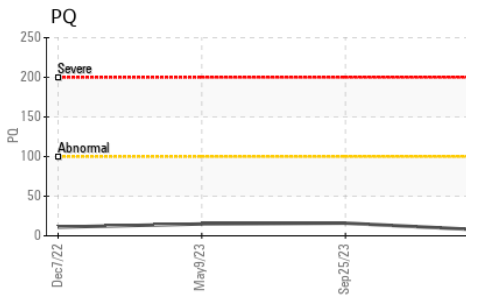
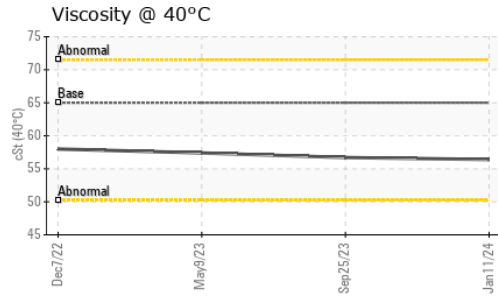
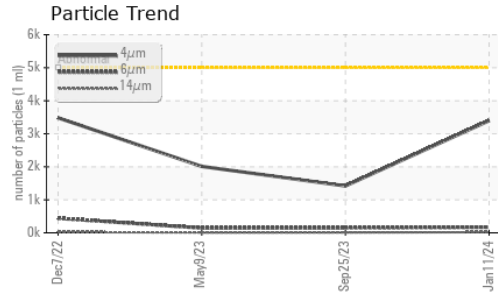
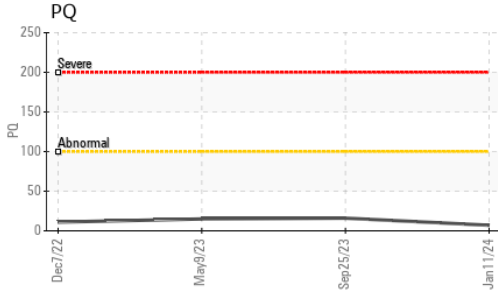
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>7</b>	16	15
Iron	ppm	ASTM D5185m	>20	<b>4</b>	2	1
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	2	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	1	0
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>15</b>	10	13
Calcium	ppm	ASTM D5185m	87	<b>598</b>	479	482
Phosphorus	ppm	ASTM D5185m	727	<b>802</b>	707	678
Zinc	ppm	ASTM D5185m	900	<b>1053</b>	931	931
Sulfur	ppm	ASTM D5185m	1500	<b>2290</b>	1921	2068

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>4</b>	3	2
Sodium	ppm	ASTM D5185m		<b>4</b>	2	0
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	3

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>3397</b>	1420	2011
Particles >6µm		ASTM D7647	>1300	<b>169</b>	148	145
Particles >14µm		ASTM D7647	>160	<b>19</b>	11	9
Particles >21µm		ASTM D7647	>40	<b>6</b>	3	3
Particles >38µm		ASTM D7647	>10	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/15/11</b>	18/14/11	18/14/10

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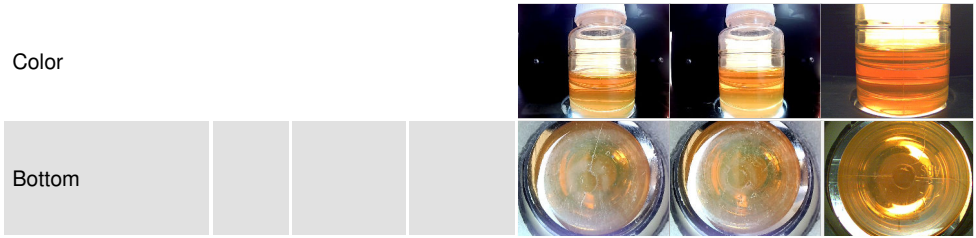


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.85</b>	0.76	0.71

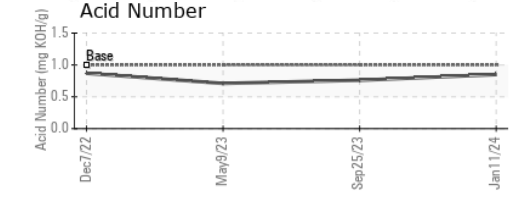
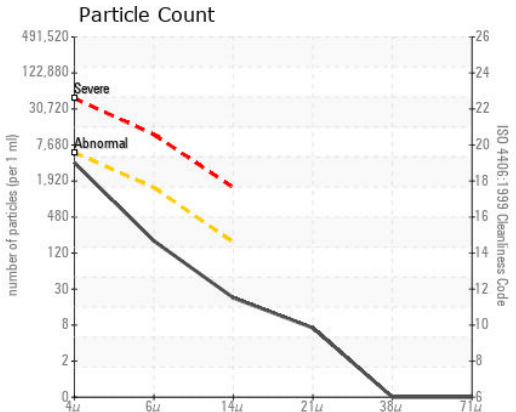
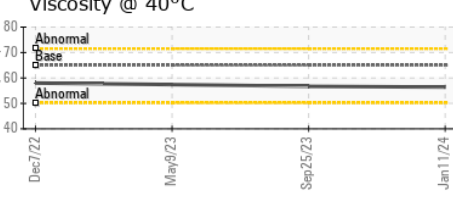
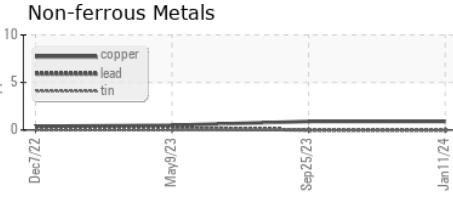
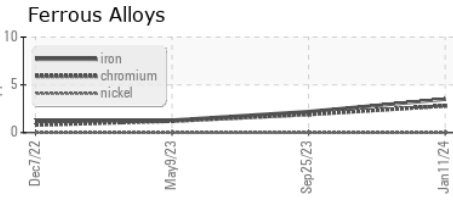
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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	>0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	65	<b>56.4</b>	56.7	57.4

SAMPLE IMAGES		method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0200165 **Received** : 17 Jan 2024  
**Lab Number** : 06062519 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10833901 **Diagnostician** : Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHLAND**  
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 ASHLAND, VA  
 US 23005  
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 T: (804)798-6001  
 F: (804)798-0292

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)