



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**EXCAVATION J.L. [02591887]**

Machine Id

**JOHN DEERE 300P 1FF300PAKPF000354**

Component

**Pre-Flush Hydraulic System**

Fluid

**JOHN DEERE HYDRAU (290 LTR)**

## DIAGNOSIS

### Recommendation

Il s'agit du relevé de base de l'échantillon soumis.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0839452</b>	---	---
Sample Date	Client Info			<b>05 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed	Client Info			<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

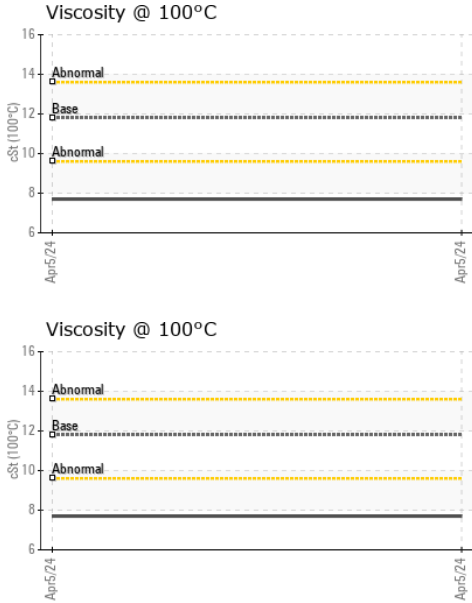
CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.075	<b>NEG</b>	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>32	<b>&lt;1</b>	---	---
Chromium	ppm	ASTM D5185(m)	>9	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>9	<b>0</b>	---	---
Lead	ppm	ASTM D5185(m)	>28	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185(m)	87	<b>2</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	727	<b>619</b>	---	---
Zinc	ppm	ASTM D5185(m)	900	<b>10</b>	---	---
Sulfur	ppm	ASTM D5185(m)	1500	<b>38</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>11	<b>0</b>	---	---
Sodium	ppm	ASTM D5185(m)	>21	<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	---	---

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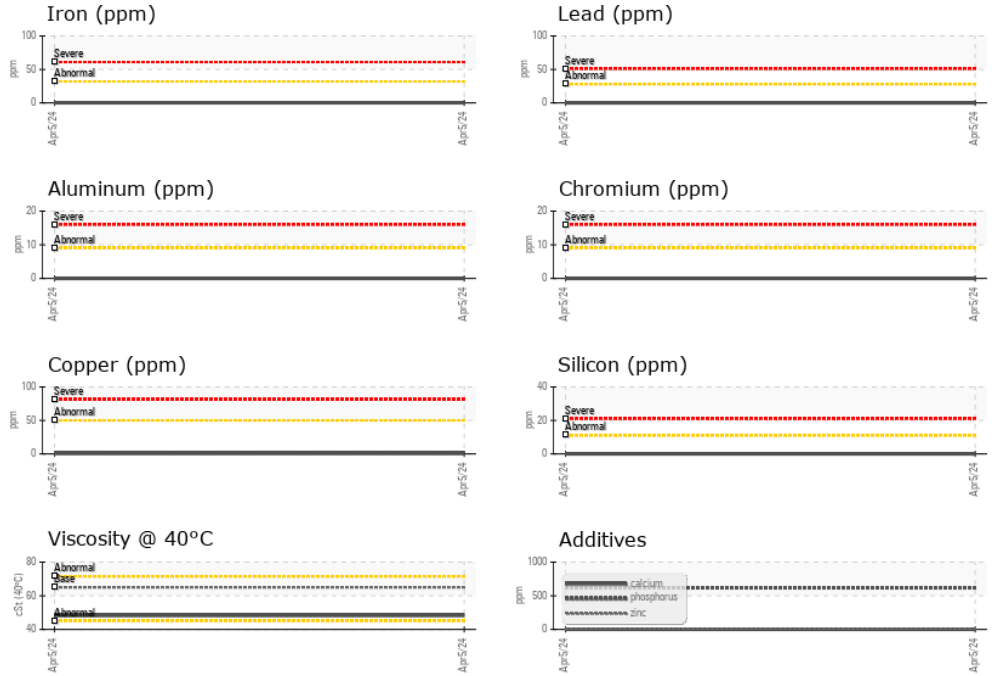


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.075	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D279(m)	65	48.3	---	---
Visc @ 100°C	cSt	ASTM D279(m)	11.8	7.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	178	125	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0839452      **Received** : 11 Apr 2024  
**Lab Number** : 02628236      **Tested** : 11 Apr 2024  
**Unique Number** : 5761368      **Diagnosed** : 15 Apr 2024 - Bill Quesnel  
**Test Package** : MOB 1 ( Additional Tests: KV100, KV40, Mineral Oil Content, Spat, VI )

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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.