



# OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 460P 1DW460PACRFB08088**

Component  
**Transmission (Auto)**

Fluid  
**JOHN DEERE HD SynTran (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0007903</b>	WE0006920	---
Sample Date		Client Info		<b>01 Jul 2024</b>	09 Apr 2024	---
Machine Age	hrs	Client Info		<b>966</b>	425	---
Oil Age	hrs	Client Info		<b>966</b>	425	---
Filter Age	hrs	Client Info		<b>966</b>	425	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	ATTENTION	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>36</b>	29	---
Iron	ppm	ASTM D5185m	>160	<b>75</b>	39	---
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>50	<b>2</b>	1	---
Lead	ppm	ASTM D5185m	>50	<b>1</b>	4	---
Copper	ppm	ASTM D5185m	>225	<b>3</b>	5	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

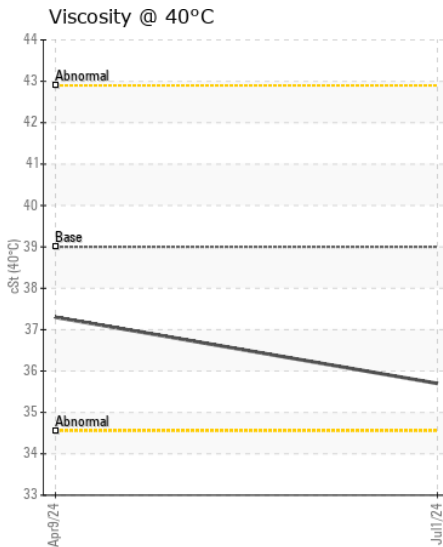
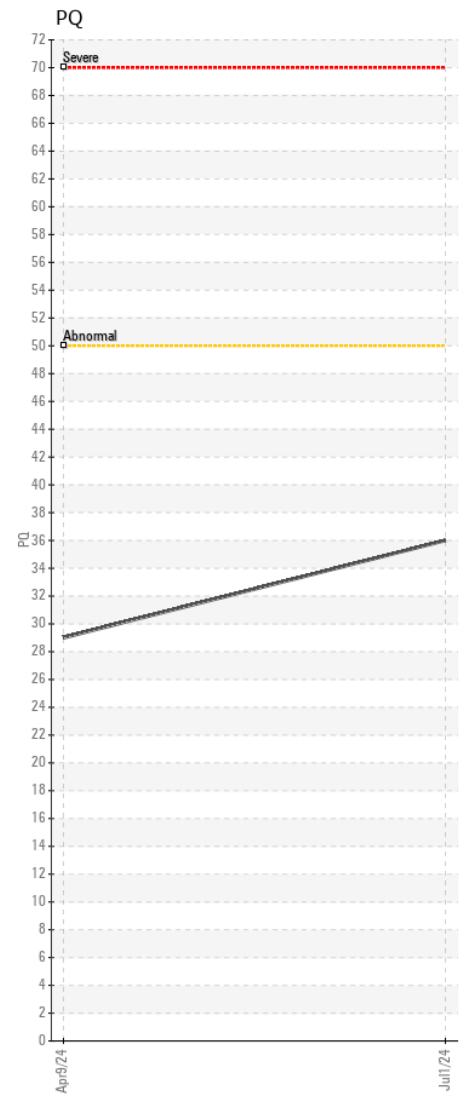
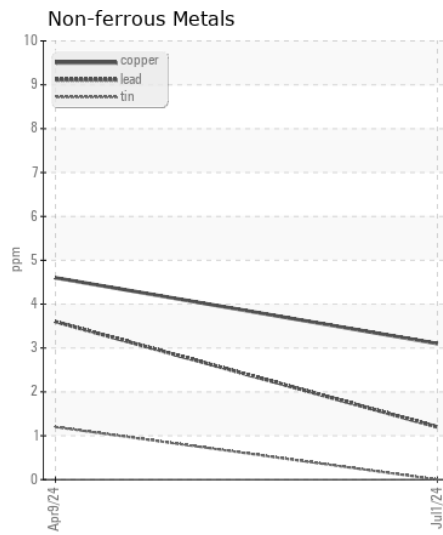
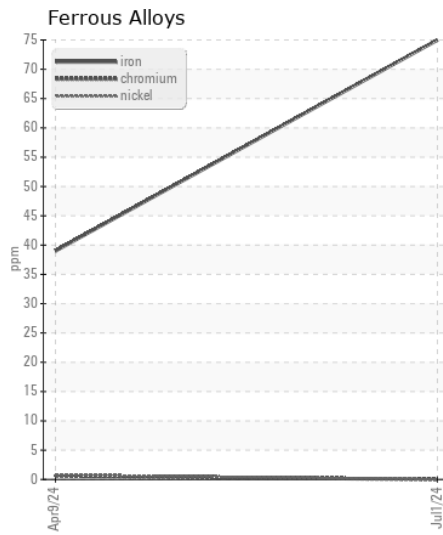
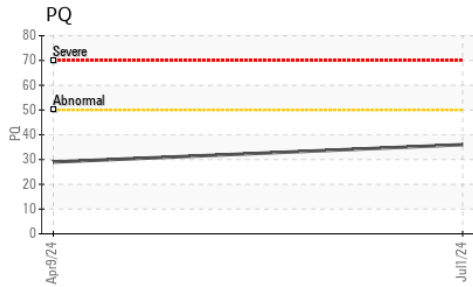
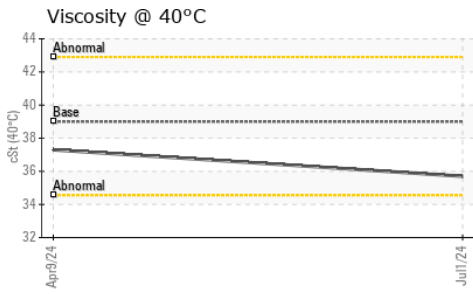
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>6</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	4	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
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	>0.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>4</b>	2	---
Boron	ppm	ASTM D5185m	168	<b>109</b>	142	---
Barium	ppm	ASTM D5185m		<b>2</b>	3	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	3	---
Manganese	ppm	ASTM D5185m		<b>1</b>	2	---
Magnesium	ppm	ASTM D5185m		<b>12</b>	12	---
Calcium	ppm	ASTM D5185m	33	<b>309</b>	327	---
Phosphorus	ppm	ASTM D5185m	330	<b>323</b>	345	---
Zinc	ppm	ASTM D5185m	0	<b>79</b>	89	---
Sulfur	ppm	ASTM D5185m	980	<b>852</b>	721	---
Visc @ 40°C	cSt	ASTM D445	39	<b>35.7</b>	37.3	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : WE0007903

**Lab Number** : 06227696

**Unique Number** : 11111189

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 03 Jul 2024

**Tested** : 05 Jul 2024

**Diagnosed** : 05 Jul 2024 - Wes Davis

**WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT**

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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)