James River Equipment
OIL ANALYSIS REPORT

WEAR	**NORMAL**
CONTAMINATION	**NORMAL**
FLUID CONDITION	**NORMAL**

Machine Id
JOHN DEERE 460P 1DW460PALPFB07170
Component
Transmission (Auto)
Fluid
JOHN DEERE HD SynTran (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**JR0222000**	JR0202397	---
Sample Date		Client Info		**14 Jun 2024**	05 Mar 2024	---
Machine Age	hrs	Client Info		**1467**	1001	---
Oil Age	hrs	Client Info		**1467**	1001	---
Filter Age	hrs	Client Info		**549**	549	---
Oil Changed		Client Info		**Not Changd**	Not Changd	---
Filter Changed		Client Info		**Not Changd**	Not Changd	---
Sample Status				**NORMAL**	NORMAL	---

WEAR

All component wear rates are normal.

| Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184	>50	**41**	40	---
Iron	ppm	ASTM D5185m	>160	**81**	71	---
Chromium	ppm	ASTM D5185m	>5	**0**	<1	---
Nickel	ppm	ASTM D5185m	>5	**0**	0	---
Titanium	ppm	ASTM D5185m		**0**	<1	---
Silver	ppm	ASTM D5185m	>5	**0**	0	---
Aluminum	ppm	ASTM D5185m	>50	**<1**	2	---
Lead	ppm	ASTM D5185m	>50	**0**	0	---
Copper	ppm	ASTM D5185m	>225	**2**	2	---
Tin	ppm	ASTM D5185m	>10	**0**	0	---
Vanadium	ppm	ASTM D5185		**<1**	0	---
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---

CONTAMINATION

There is no indication of any contamination in the fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>20	**6**	6	---
Potassium	ppm	ASTM D5185m	>20	**2**	5	---
Water		WC Method	>0.1	**NEG**	NEG	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	---

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		**4**	2	---
Boron	ppm	ASTM D5185m	168	**103**	122	---
Barium	ppm	ASTM D5185m		**2**	1	---
Molybdenum	ppm	ASTM D5185m		**0**	0	---
Manganese	ppm	ASTM D5185m		**1**	<1	---
Magnesium	ppm	ASTM D5185m		**<1**	2	---
Calcium	ppm	ASTM D5185m	33	**166**	134	---
Phosphorus	ppm	ASTM D5185m	330	**250**	242	---
Zinc	ppm	ASTM D5185m	0	**26**	19	---
Sulfur	ppm	ASTM D5185m	980	**562**	473	---
Visc @ 40°C	cSt	ASTM D445	39	**35.9**	36.3	---

Viscosity @ 40°C

PQ

Ferrous Alloys

Non-ferrous Metals

PQ

Viscosity @ 40°C
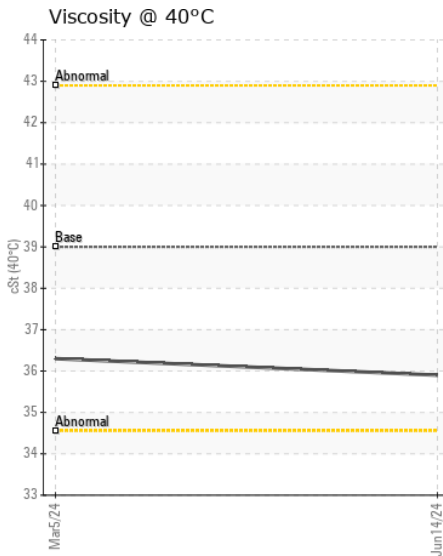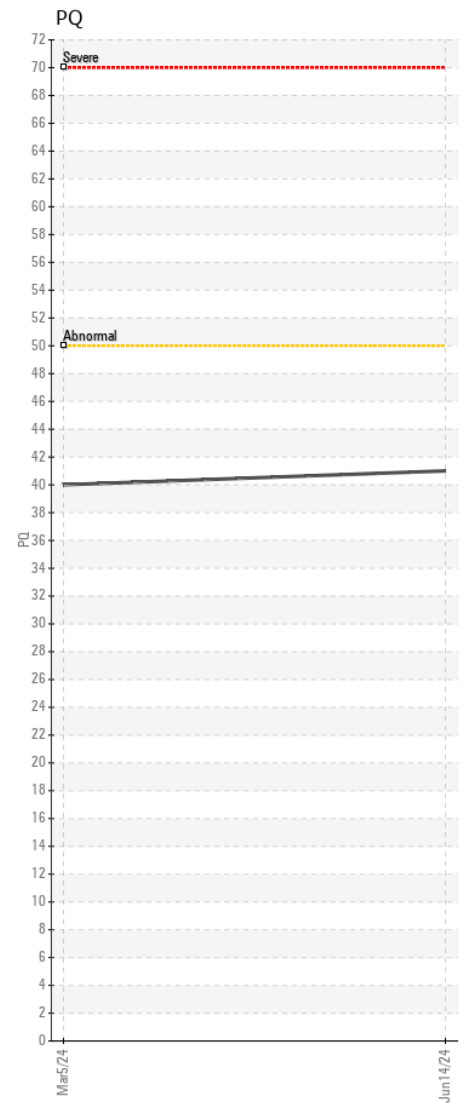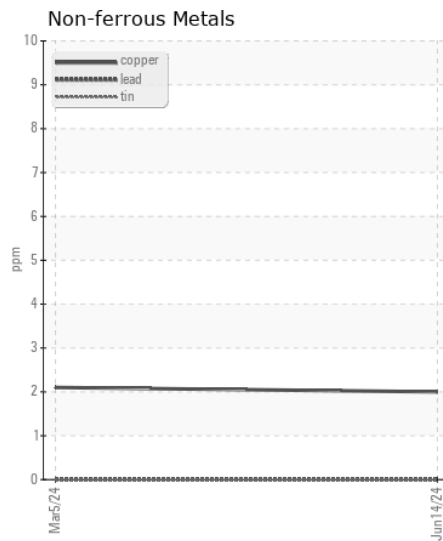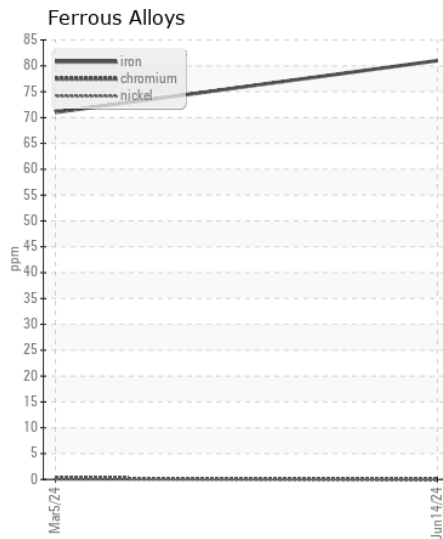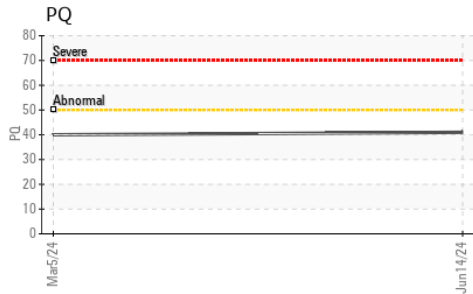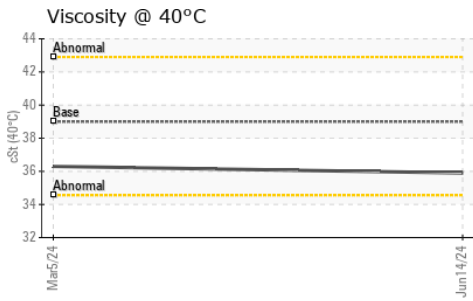
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0222000   **Received** : 18 Jun 2024

Lab Number : 06213693   **Tested** : 20 Jun 2024

Unique Number : 11086557   **Diagnosed** : 20 Jun 2024 - Sean Felton

Test Package : CONST (Additional Tests: PQ)

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)

JRE - GARNER

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ANAB ACCREDITED TESTING LABORATORY

Certificate L2367