



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W68119]
 Machine Id
JOHN DEERE 460P 1DW460PAEPFB06202
 Component
Rear Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS LOW VIS (18 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W68119)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220222	JR0191095	---
Sample Date		Client Info		25 Jun 2024	16 Nov 2023	---
Machine Age	hrs	Client Info		1043	563	---
Oil Age	hrs	Client Info		1043	563	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	N/A	---
Filter Changed		Client Info		Not Changd	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		25	11	---
Iron	ppm	ASTM D5185m	>500	26	18	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	<1	---
Lead	ppm	ASTM D5185m	>25	11	0	---
Copper	ppm	ASTM D5185m	>100	9	8	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

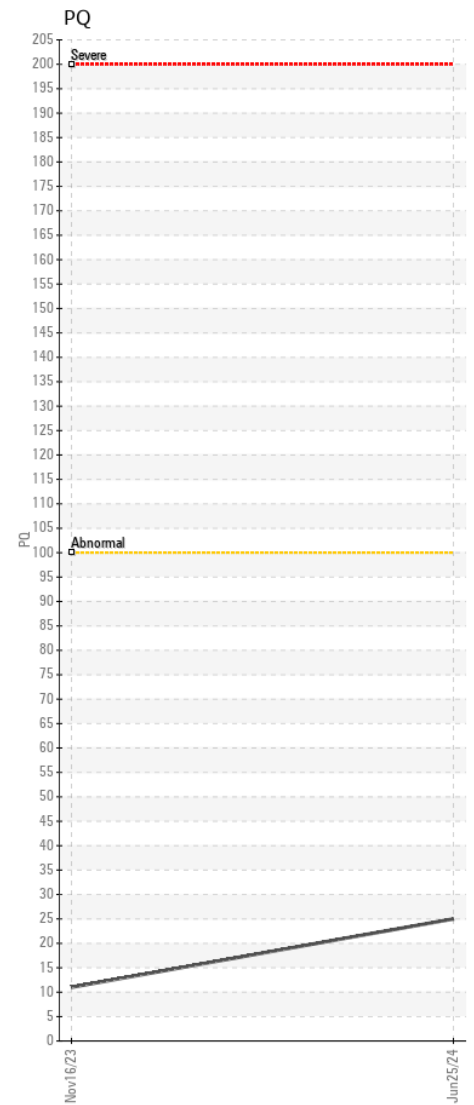
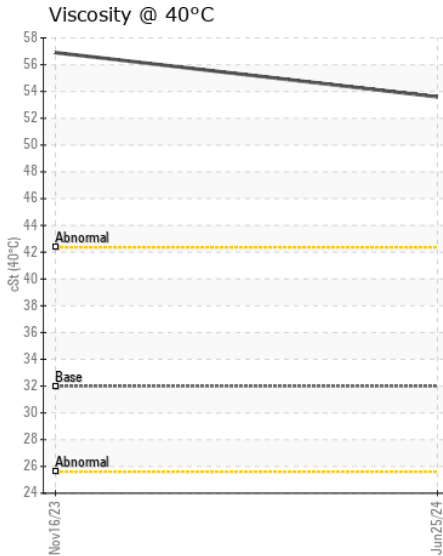
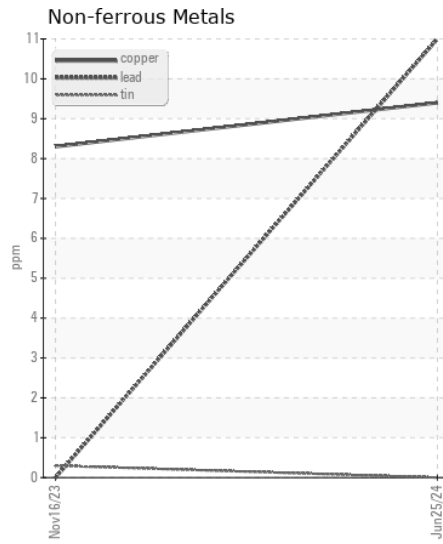
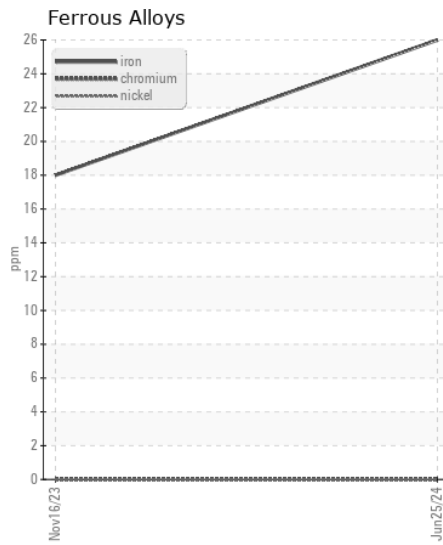
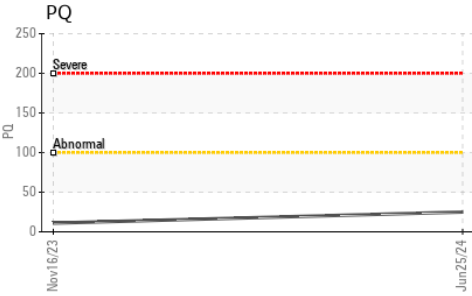
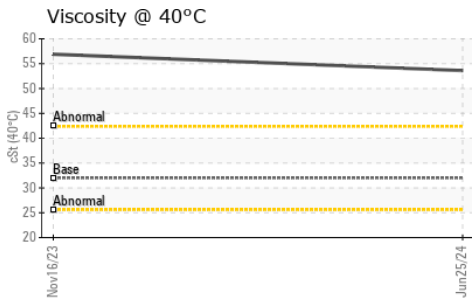
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	6	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
Water		WC Method	>.2	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	>.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	5	---
Boron	ppm	ASTM D5185m		1	<1	---
Barium	ppm	ASTM D5185m		5	2	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		2	3	---
Magnesium	ppm	ASTM D5185m		102	101	---
Calcium	ppm	ASTM D5185m		3629	3464	---
Phosphorus	ppm	ASTM D5185m		1037	1030	---
Zinc	ppm	ASTM D5185m		1248	1208	---
Sulfur	ppm	ASTM D5185m		4090	3384	---
Visc @ 40°C	cSt	ASTM D445	32	53.6	56.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220222 **Received** : 26 Jun 2024
Lab Number : 06221487 **Tested** : 27 Jun 2024
Unique Number : 11099684 **Diagnosed** : 28 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.com

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)

T: (704)597-0211
 F: (704)596-6198