



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[16W14501]

Machine Id

JOHN DEERE 350P 1FF350PAHNF000460

Component

Pump Drive

Fluid

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: 16W14501)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0173485	JR0173346	---
Sample Date		Client Info		20 Sep 2023	10 Jul 2023	---
Machine Age	hrs	Client Info		1055	550	---
Oil Age	hrs	Client Info		1055	550	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

PQ		ASTM D8184		16	17	---
Iron	ppm	ASTM D5185m	>151	90	69	---
Chromium	ppm	ASTM D5185m	>11	3	3	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	1	2	---
Lead	ppm	ASTM D5185m	>51	0	<1	---
Copper	ppm	ASTM D5185m	>51	<1	1	---
Tin	ppm	ASTM D5185m	>4	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

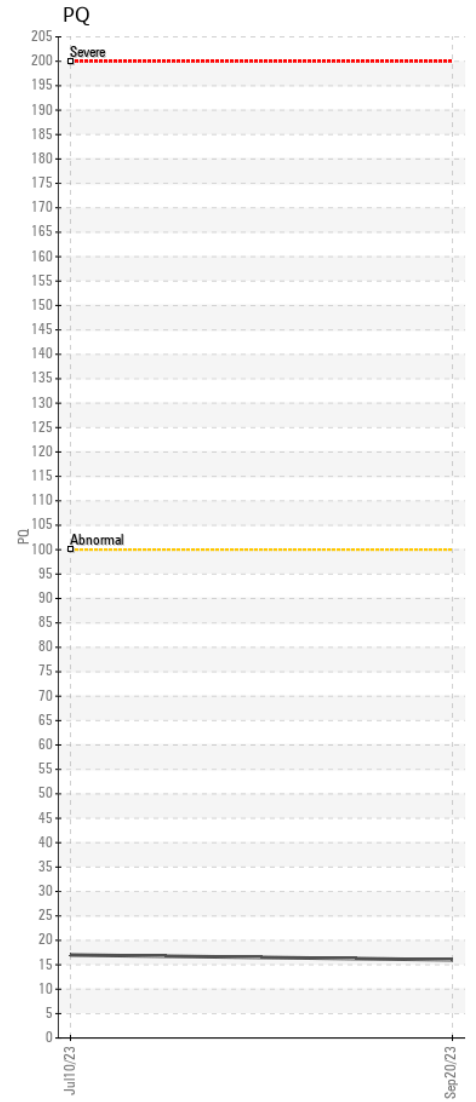
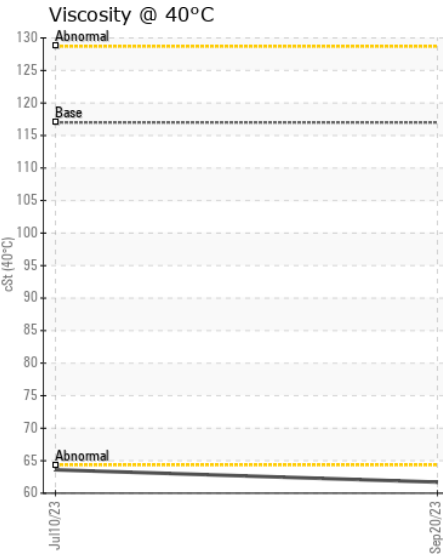
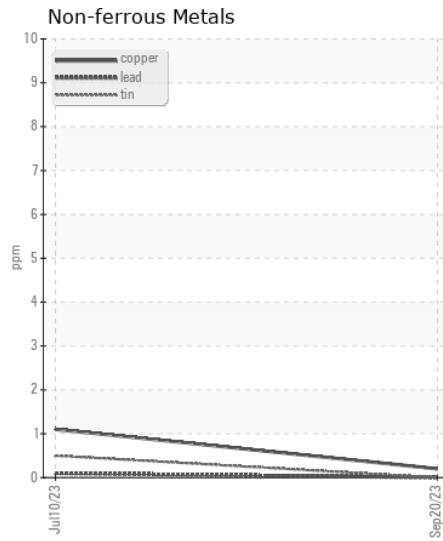
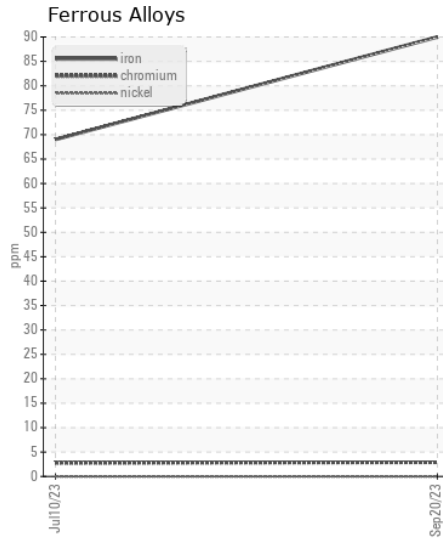
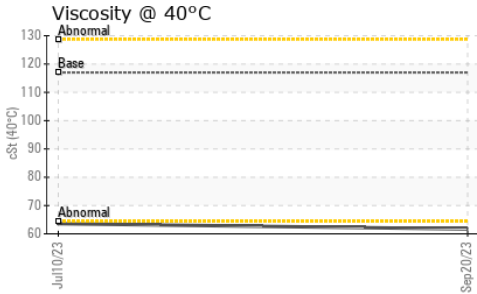
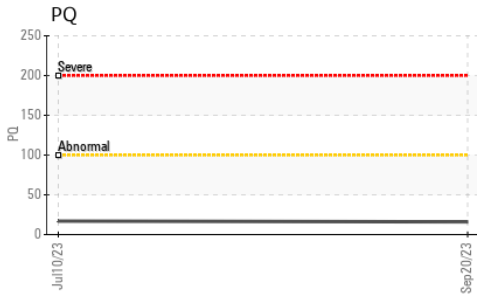
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	47	45	---
Potassium	ppm	ASTM D5185m	>20	2	3	---
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	5	3	---
Boron	ppm	ASTM D5185m		63	62	---
Barium	ppm	ASTM D5185m		1	5	---
Molybdenum	ppm	ASTM D5185m		107	107	---
Manganese	ppm	ASTM D5185m		6	6	---
Magnesium	ppm	ASTM D5185m		18	16	---
Calcium	ppm	ASTM D5185m		4383	4445	---
Phosphorus	ppm	ASTM D5185m		1238	1250	---
Zinc	ppm	ASTM D5185m		1438	1440	---
Sulfur	ppm	ASTM D5185m		10252	10275	---
Visc @ 40°C	cSt	ASTM D445	117	61.7	63.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0173485 **Received** : 22 Sep 2023
Lab Number : 05958755 **Tested** : 23 Sep 2023
Unique Number : 10659968 **Diagnosed** : 24 Sep 2023 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819

Contact: WILMINGTON SHOP

todd.simmons@jamesvirequipment.com; canastasio@wearcheck.com; canastasio@we

T: (910)675-9211

F:

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)