



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

[W8326]

Machine Id

JOHN DEERE 350P 1FF350PATPF000479

Component

Pump Drive

Fluid

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

RECOMMENDATION

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: W8326)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0183295	JR0185569	---
Sample Date		Client Info		03 Jan 2024	31 Aug 2023	---
Machine Age	hrs	Client Info		1027	517	---
Oil Age	hrs	Client Info		1027	517	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		18	27	---
Iron	ppm	ASTM D5185m	>151	91	74	---
Chromium	ppm	ASTM D5185m	>11	2	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	1	---
Lead	ppm	ASTM D5185m	>51	0	<1	---
Copper	ppm	ASTM D5185m	>51	0	<1	---
Tin	ppm	ASTM D5185m	>4	0	<1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	MODER	HEAVY	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

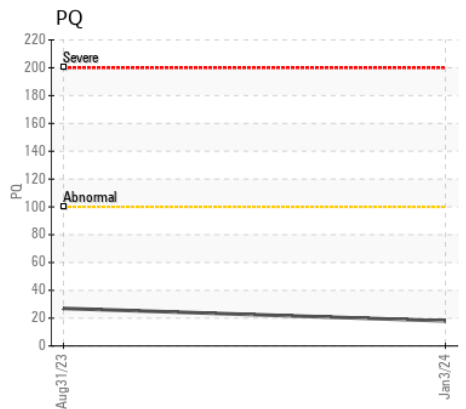
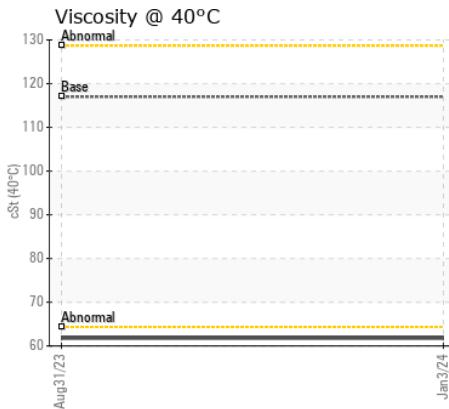
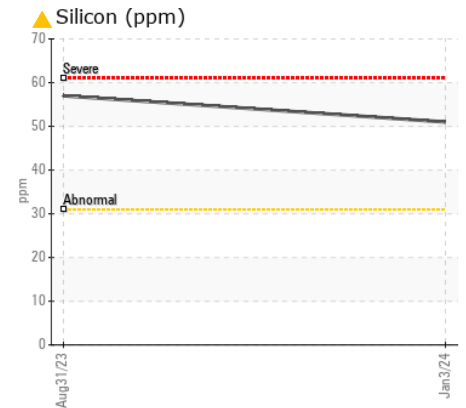
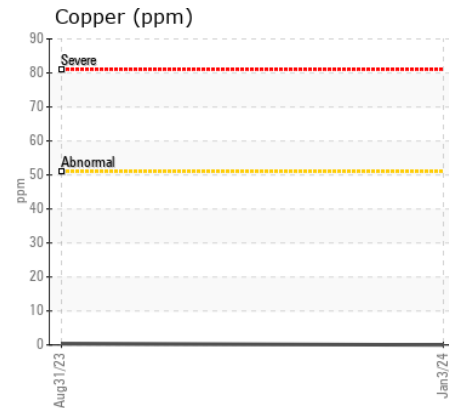
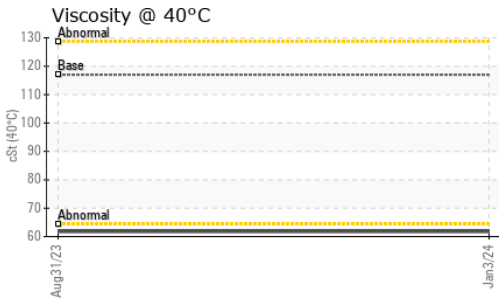
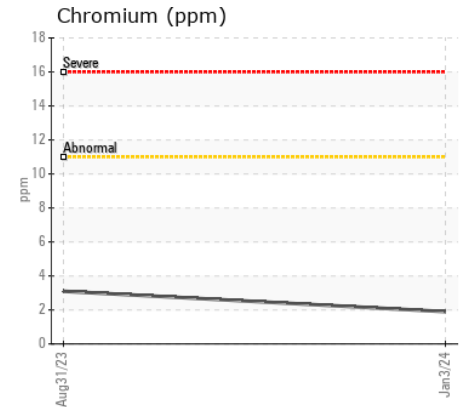
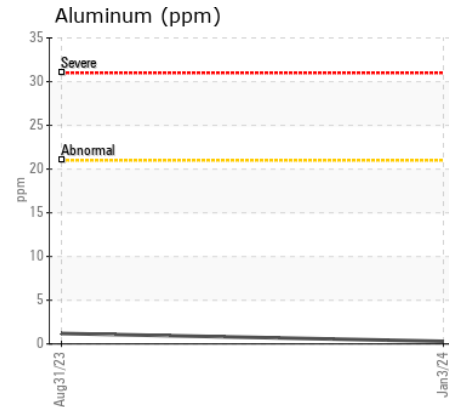
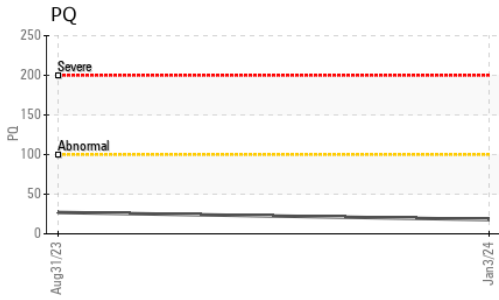
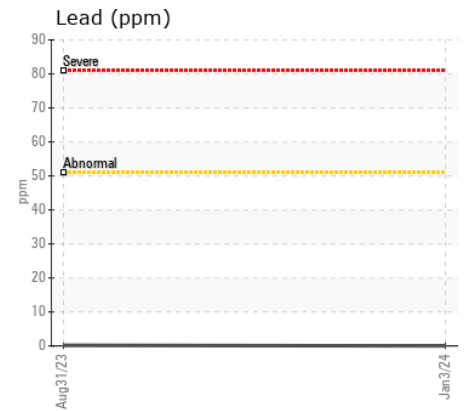
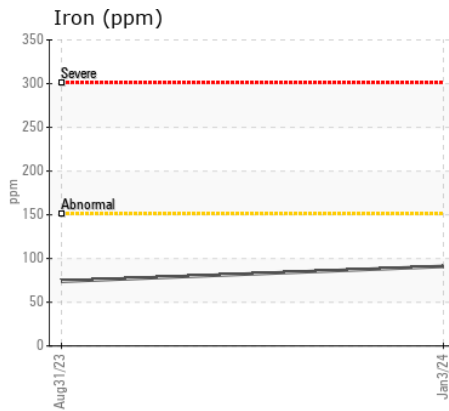
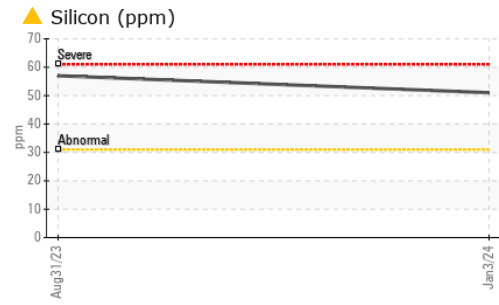
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>31	▲ 51	▲ 57	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
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	4	4	---
Boron	ppm	ASTM D5185m		58	76	---
Barium	ppm	ASTM D5185m		8	0	---
Molybdenum	ppm	ASTM D5185m		99	107	---
Manganese	ppm	ASTM D5185m		4	6	---
Magnesium	ppm	ASTM D5185m		13	13	---
Calcium	ppm	ASTM D5185m		3975	4165	---
Phosphorus	ppm	ASTM D5185m		1202	1177	---
Zinc	ppm	ASTM D5185m		1290	1329	---
Sulfur	ppm	ASTM D5185m		8665	9477	---
Visc @ 40°C	cSt	ASTM D445	117	61.8	61.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0183295 **Received** : 08 Jan 2024
Lab Number : 06054239 **Diagnosed** : 09 Jan 2024
Unique Number : 10820188 **Diagnostician** : Sean Felton
Test Package : MOBCE (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)

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