



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Store 8 - Pikeville [150818]
Machine Id
JOHN DEERE 350P 1FF350PAAPF000975
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0046099	LEC0045695	---
Sample Date		Client Info		17 May 2024	08 Dec 2023	---
Machine Age	hrs	Client Info		996	375	---
Oil Age	hrs	Client Info		996	375	---
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		21	21	---
Iron	ppm	ASTM D5185m	>151	113	62	---
Chromium	ppm	ASTM D5185m	>11	4	2	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>21	4	2	---
Lead	ppm	ASTM D5185m	>51	<1	0	---
Copper	ppm	ASTM D5185m	>51	1	0	---
Tin	ppm	ASTM D5185m	>4	1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

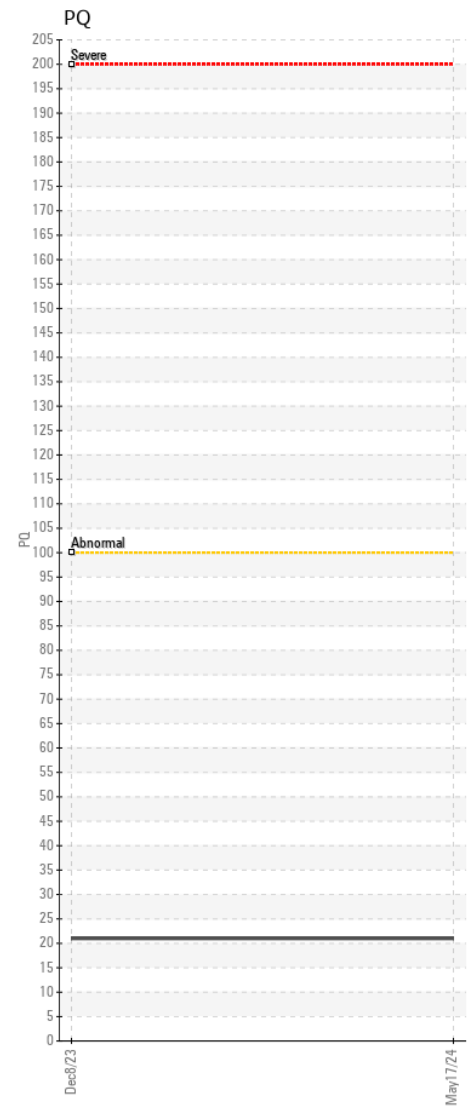
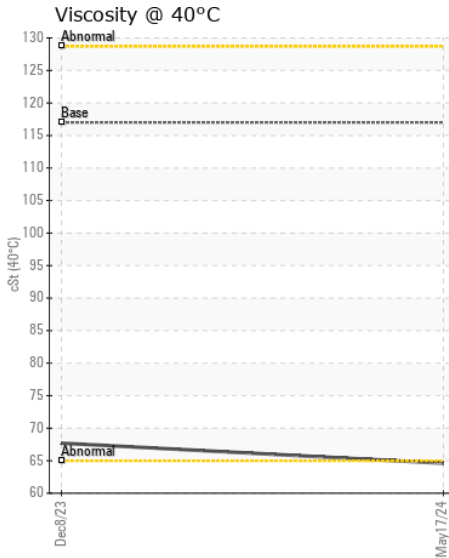
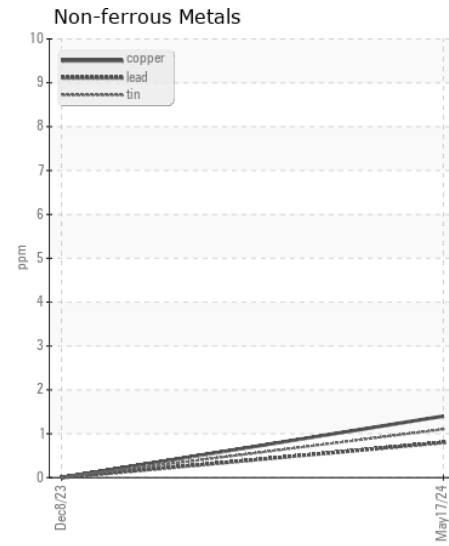
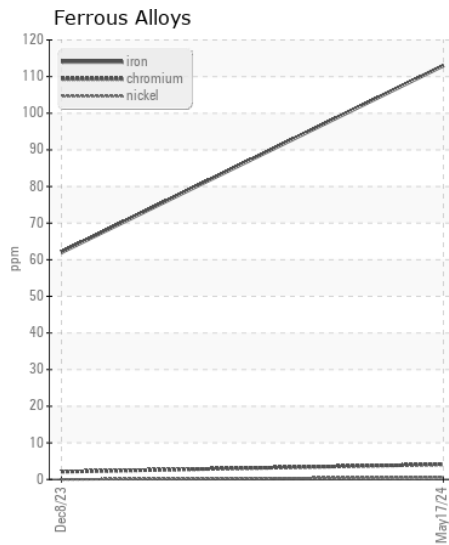
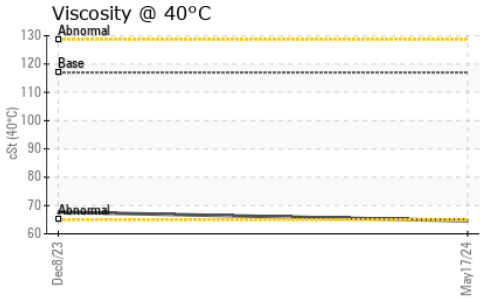
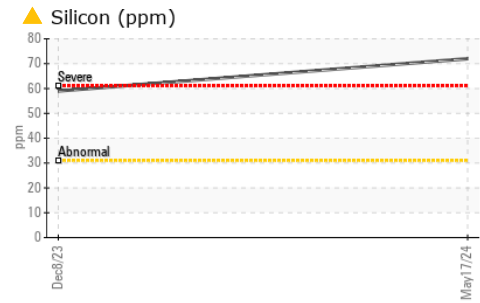
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>31	▲ 72	▲ 59	---
Potassium	ppm	ASTM D5185m	>20	4	<1	---
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 suitable for further service.

Sodium	ppm	ASTM D5185m	>51	1	1	---
Boron	ppm	ASTM D5185m		65	58	---
Barium	ppm	ASTM D5185m		2	3	---
Molybdenum	ppm	ASTM D5185m		106	102	---
Manganese	ppm	ASTM D5185m		5	3	---
Magnesium	ppm	ASTM D5185m		15	16	---
Calcium	ppm	ASTM D5185m		4214	3999	---
Phosphorus	ppm	ASTM D5185m		1288	1170	---
Zinc	ppm	ASTM D5185m		1369	1340	---
Sulfur	ppm	ASTM D5185m		9474	7481	---
Visc @ 40°C	cSt	ASTM D445	117	64.6	67.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0046099 **Received** : 21 May 2024
Lab Number : 06186944 **Tested** : 23 May 2024
Unique Number : 11043696 **Diagnosed** : 23 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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 MARIETTA, OH
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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)