



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[05W44928]

Machine Id

JOHN DEERE 350P 1FF350PALPF000489

Component

Pump Drive

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0202973	JR0192227	JR0181795
Sample Date		Client Info		22 Feb 2024	25 Oct 2023	26 Jul 2023
Machine Age	hrs	Client Info		1493	941	469
Oil Age	hrs	Client Info		552	941	469
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Changed	Not Chngd
Filter Changed		Client Info		N/A	N/A	None
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		15	17	28
Iron	ppm	ASTM D5185m	>151	38	81	70
Chromium	ppm	ASTM D5185m	>11	<1	3	3
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	4	2	2
Lead	ppm	ASTM D5185m	>51	<1	0	0
Copper	ppm	ASTM D5185m	>51	<1	<1	0
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

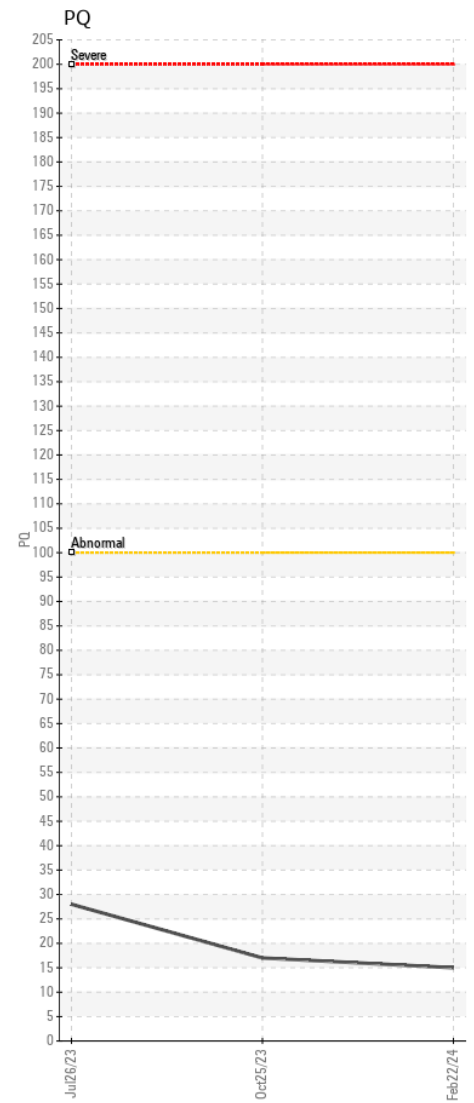
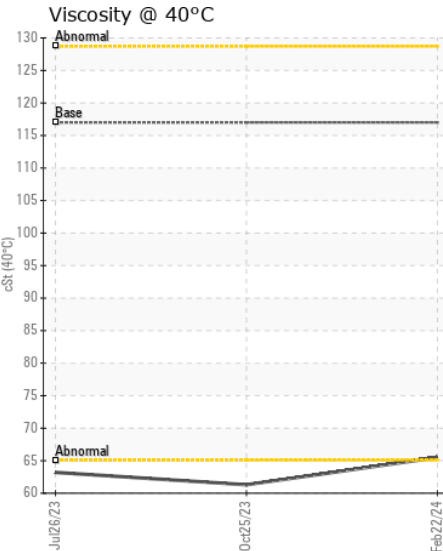
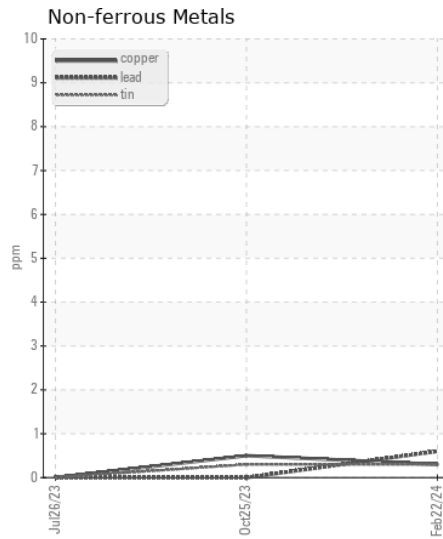
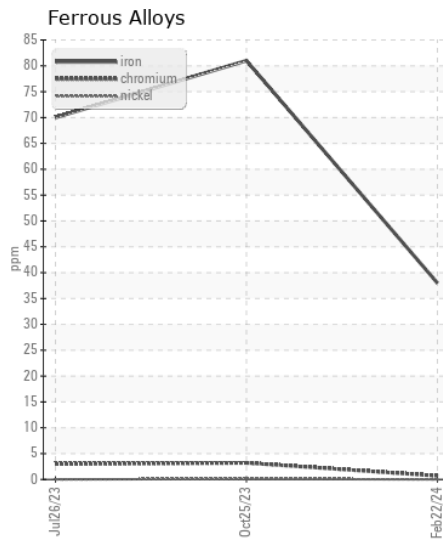
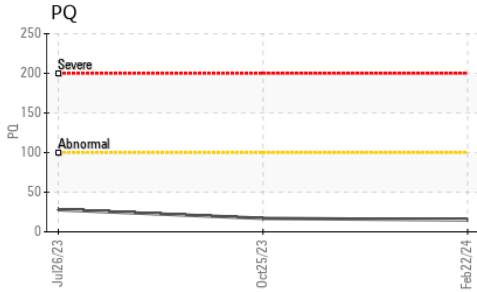
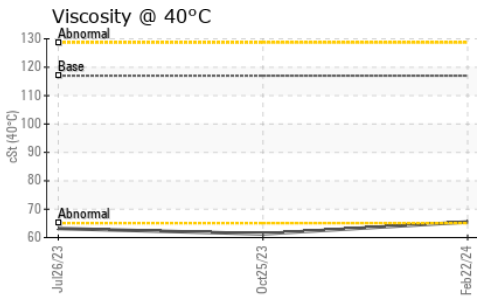
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	22	▲ 76	▲ 72
Potassium	ppm	ASTM D5185m	>20	<1	4	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	3	0	3
Boron	ppm	ASTM D5185m		244	68	68
Barium	ppm	ASTM D5185m		0	5	5
Molybdenum	ppm	ASTM D5185m		203	108	107
Manganese	ppm	ASTM D5185m		1	5	4
Magnesium	ppm	ASTM D5185m		631	13	19
Calcium	ppm	ASTM D5185m		1758	4073	4313
Phosphorus	ppm	ASTM D5185m		966	1354	1233
Zinc	ppm	ASTM D5185m		1037	1323	1429
Sulfur	ppm	ASTM D5185m		3529	9739	10064
Visc @ 40°C	cSt	ASTM D445	117	65.5	61.3	63.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0202973

Lab Number : 06099428

Unique Number : 10897658

Test Package : CONST (Additional Tests: PQ)

Received : 23 Feb 2024

Tested : 26 Feb 2024

Diagnosed : 26 Feb 2024 - Wes Davis

B & S SITE DEVELOPMENT

7800 PINEY BRANCH LANE

BRISTOW, VA

US 20136

Contact: DANNY HUFF

dhuff@bandssite.com

T: (540)270-3203

F: (703)753-0605

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)