



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[16W16473]

Machine Id

JOHN DEERE 350P 1FF350PAHPF000476

Component

Pump Drive

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16473)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217210	JR0206833	JR0185429
Sample Date		Client Info		18 Jun 2024	28 Mar 2024	23 Oct 2023
Machine Age	hrs	Client Info		1986	1492	959
Oil Age	hrs	Client Info		1027	533	959
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		19	12	15
Iron	ppm	ASTM D5185m	>151	49	43	64
Chromium	ppm	ASTM D5185m	>11	<1	<1	3
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>21	2	4	2
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	<1	0	0
Tin	ppm	ASTM D5185m	>4	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

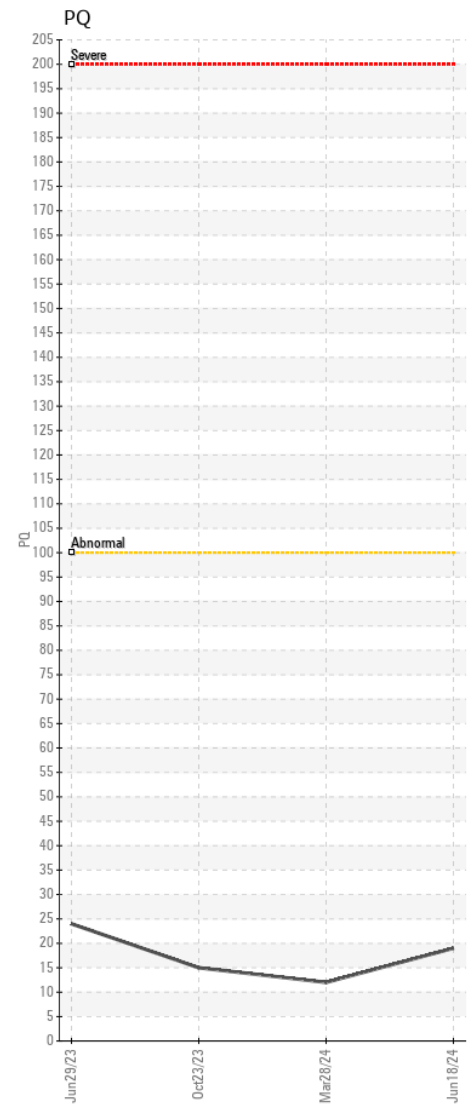
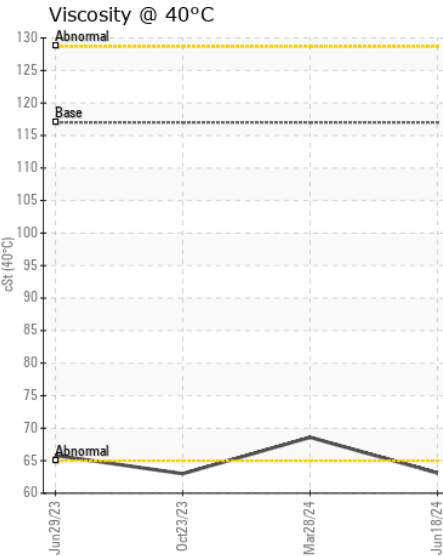
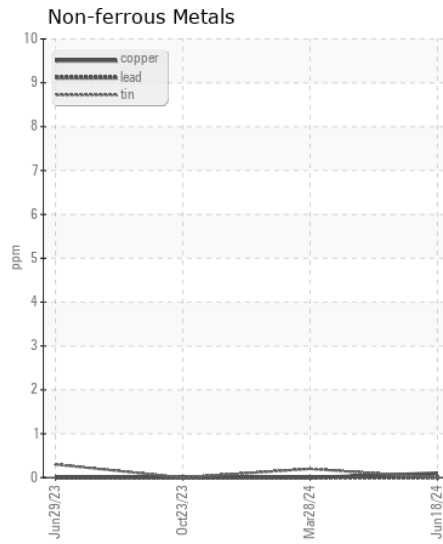
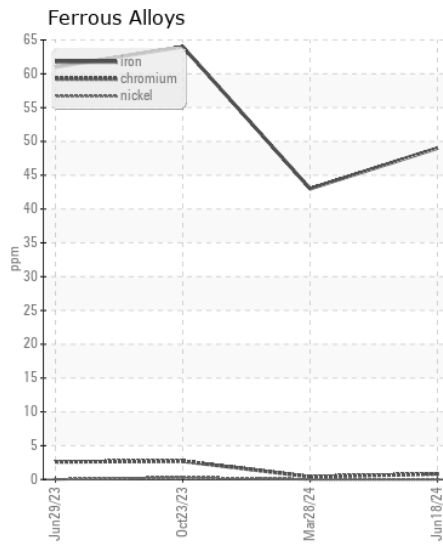
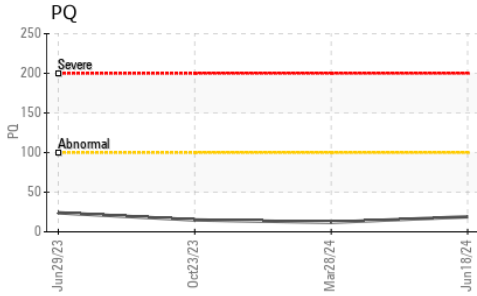
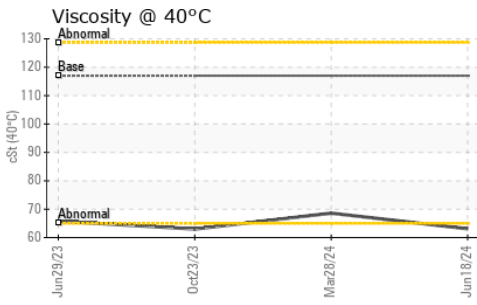
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	16	15	▲ 54
Potassium	ppm	ASTM D5185m	>20	0	0	1
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.

Sodium	ppm	ASTM D5185m	>51	3	3	<1
Boron	ppm	ASTM D5185m		239	304	60
Barium	ppm	ASTM D5185m		<1	0	5
Molybdenum	ppm	ASTM D5185m		225	252	111
Manganese	ppm	ASTM D5185m		1	2	5
Magnesium	ppm	ASTM D5185m		683	776	20
Calcium	ppm	ASTM D5185m		1414	1483	4314
Phosphorus	ppm	ASTM D5185m		954	976	1334
Zinc	ppm	ASTM D5185m		945	1044	1515
Sulfur	ppm	ASTM D5185m		3751	4006	8854
Visc @ 40°C	cSt	ASTM D445	117	63.1	68.6	63.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217210 **Received** : 20 Jun 2024
Lab Number : 06215983 **Tested** : 22 Jun 2024
Unique Number : 11088847 **Diagnosed** : 23 Jun 2024 - Don Baldrige
Test Package : CONST (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)

JRE - CASTLE HAYNE
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