



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
000696
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (2 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214755	JR0199189	JR0187695
Sample Date		Client Info		08 May 2024	12 Jan 2024	19 Sep 2023
Machine Age	hrs	Client Info		1523	966	482
Oil Age	hrs	Client Info		557	966	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		22	16	21
Iron	ppm	ASTM D5185m	>500	48	56	48
Chromium	ppm	ASTM D5185m	>15	1	2	2
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	3	3
Lead	ppm	ASTM D5185m		1	0	0
Copper	ppm	ASTM D5185m	>35	1	1	<1
Tin	ppm	ASTM D5185m	>4	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

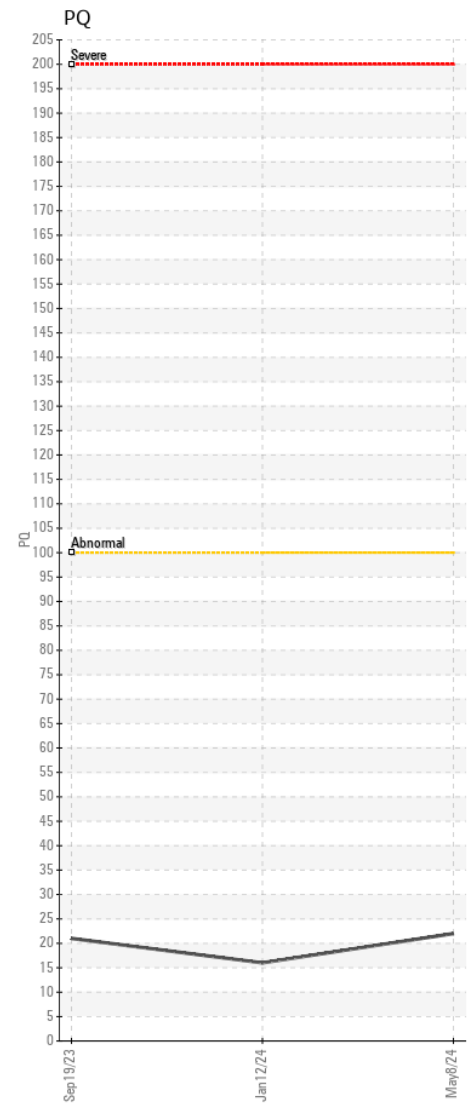
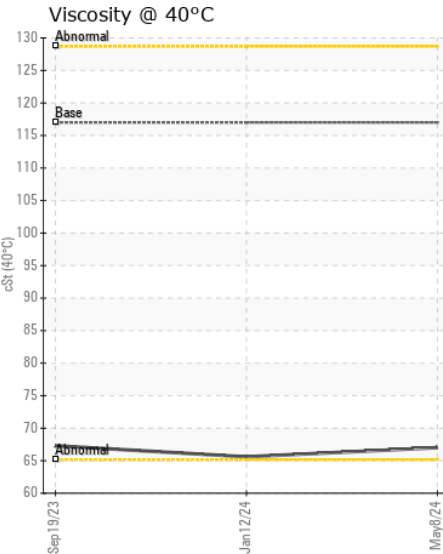
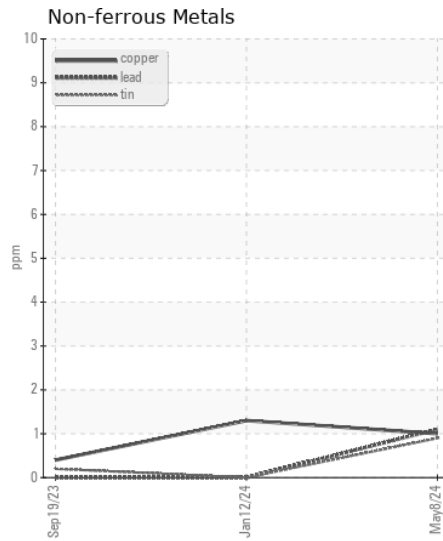
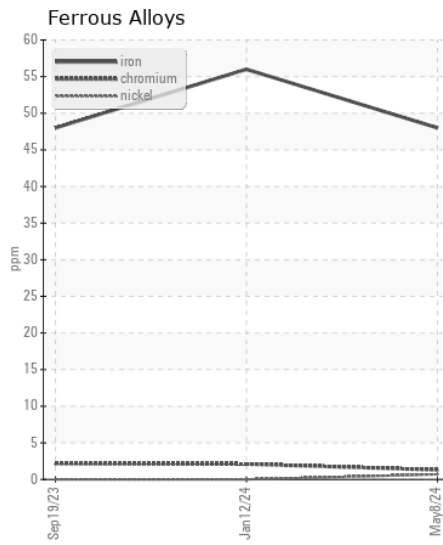
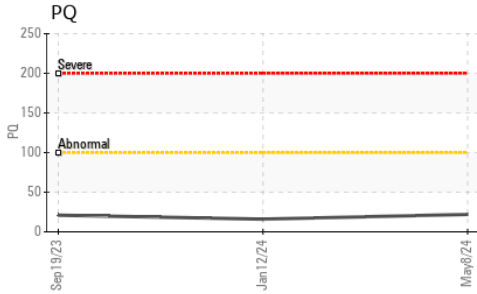
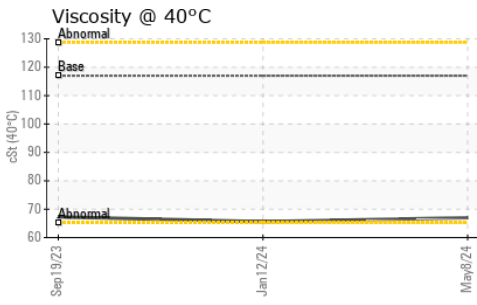
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	25	▲ 95	▲ 98
Potassium	ppm	ASTM D5185m	>20	4	0	2
Water		WC Method	>0.2	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	>0.2	NEG	NEG	0.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	<1	<1
Boron	ppm	ASTM D5185m		259	53	62
Barium	ppm	ASTM D5185m		0	5	4
Molybdenum	ppm	ASTM D5185m		194	104	117
Manganese	ppm	ASTM D5185m		2	4	4
Magnesium	ppm	ASTM D5185m		681	16	13
Calcium	ppm	ASTM D5185m		1642	4023	4394
Phosphorus	ppm	ASTM D5185m		1014	1173	1190
Zinc	ppm	ASTM D5185m		1034	1324	1387
Sulfur	ppm	ASTM D5185m		3792	7135	8867
Visc @ 40°C	cSt	ASTM D445	117	67.0	65.6	67.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214755 **Received** : 09 May 2024
Lab Number : 06174120 **Tested** : 10 May 2024
Unique Number : 11020173 **Diagnosed** : 10 May 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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)