



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[05W48195]
 Machine Id
JOHN DEERE 160G C233358 (S/N 1FF160GXTLF058109)
 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		JR0226798	JR0196066	JR0123240
Sample Date		Client Info		15 Jul 2024	08 Jan 2024	23 Apr 2022
Machine Age	hrs	Client Info		5710	4830	1909
Oil Age	hrs	Client Info		880	4830	1909
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		14	14	21
Iron	ppm	ASTM D5185m	>151	33	28	48
Chromium	ppm	ASTM D5185m	>11	<1	<1	1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>21	3	4	1
Lead	ppm	ASTM D5185m	>51	0	0	2
Copper	ppm	ASTM D5185m	>51	0	0	1
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

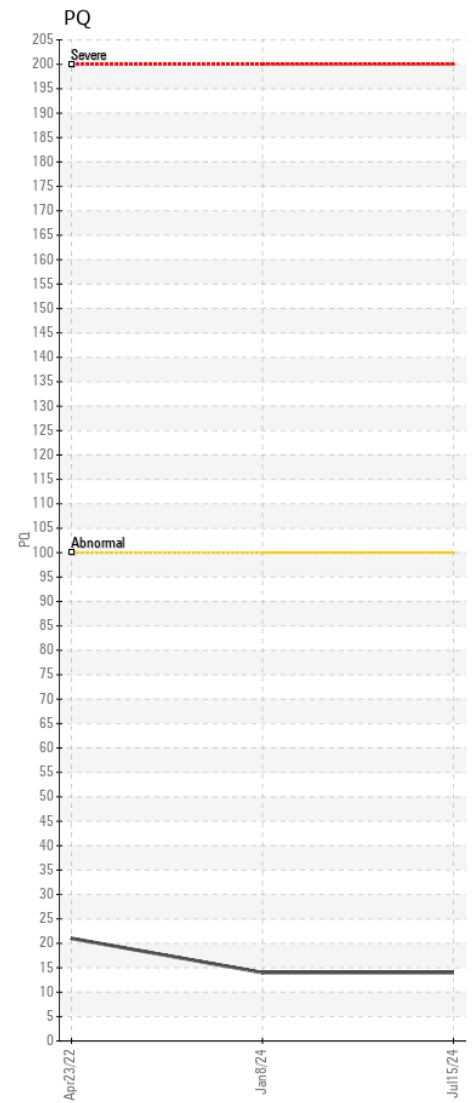
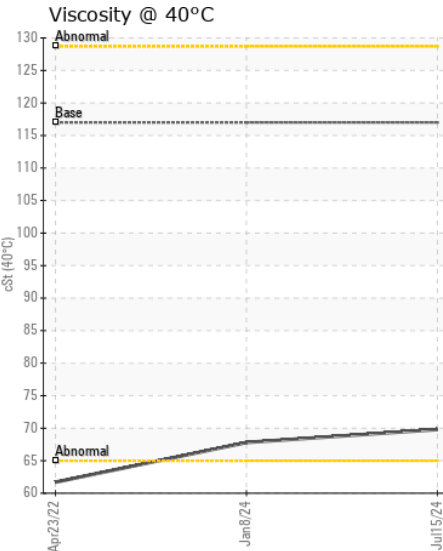
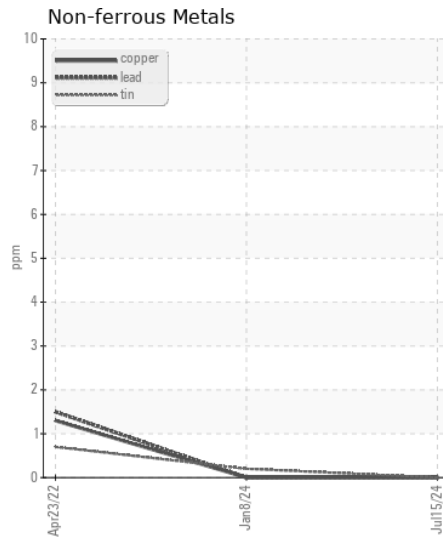
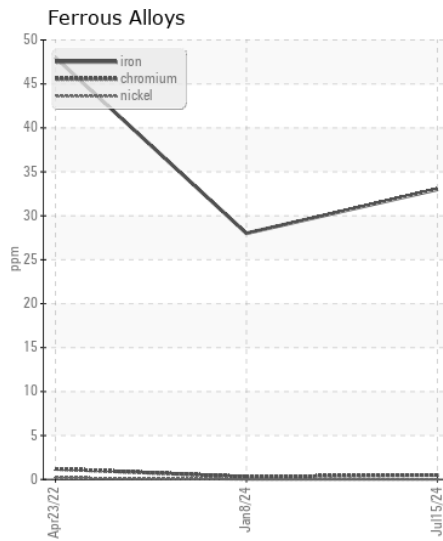
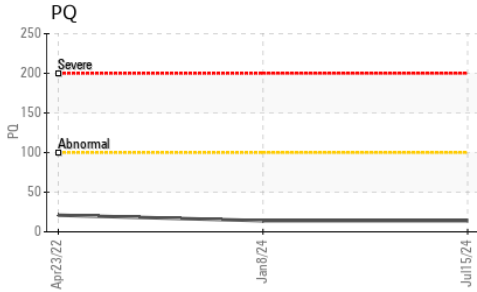
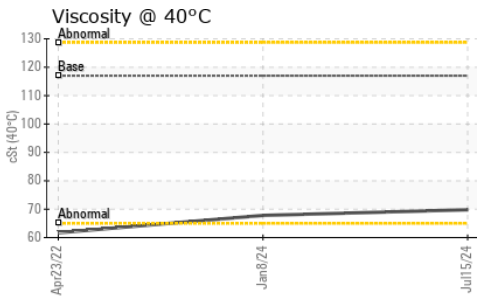
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	10	8	10
Potassium	ppm	ASTM D5185m	>20	2	<1	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	0	2	4
Boron	ppm	ASTM D5185m		292	275	62
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m		223	249	103
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		762	792	19
Calcium	ppm	ASTM D5185m		1432	1395	4256
Phosphorus	ppm	ASTM D5185m		785	997	1261
Zinc	ppm	ASTM D5185m		1050	1050	1378
Sulfur	ppm	ASTM D5185m		3311	3240	7394
Visc @ 40°C	cSt	ASTM D445	117	69.8	67.8	61.7



Certificate L2367

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

Sample No. : JR0226798

Lab Number : 06238115

Unique Number : 11126949

Test Package : CONST (Additional Tests: PQ)

Received : 16 Jul 2024

Tested : 17 Jul 2024

Diagnosed : 17 Jul 2024 - Wes Davis

C & D RECOVERY

24024 FREDERICK RD

CLARKSBURG, MD

US 20871

Contact: HERBIE TRENT

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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F: