



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W8930]
 Machine Id
JOHN DEERE 210G 1FF210GXEMF529659
 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: W8930)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196972	JR0185420	JR0160875
Sample Date		Client Info		22 May 2024	18 Oct 2023	03 Apr 2023
Machine Age	hrs	Client Info		2019	1568	1058
Oil Age	hrs	Client Info		1509	1568	1058
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	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		15	15	12
Iron	ppm	ASTM D5185m	>151	45	30	54
Chromium	ppm	ASTM D5185m	>11	<1	<1	1
Nickel	ppm	ASTM D5185m	>10	1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	6	4	1
Lead	ppm	ASTM D5185m	>51	1	<1	0
Copper	ppm	ASTM D5185m	>51	<1	<1	2
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

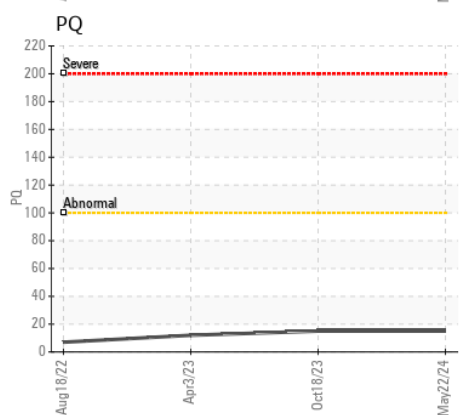
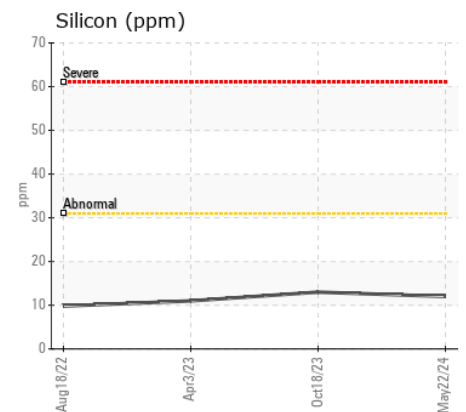
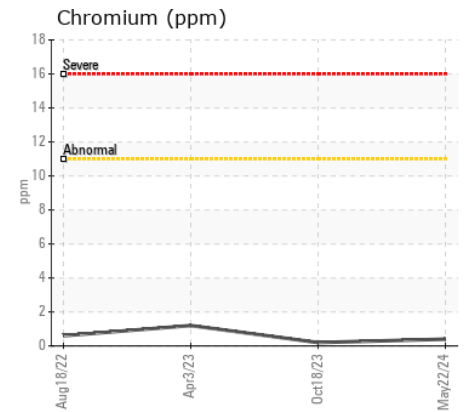
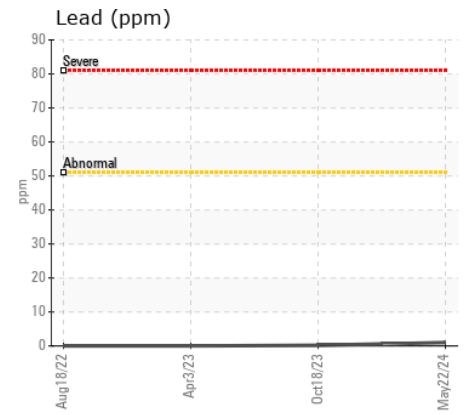
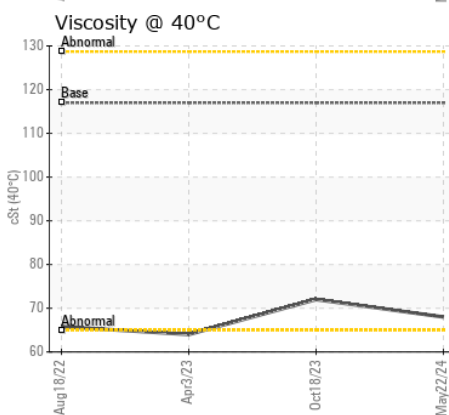
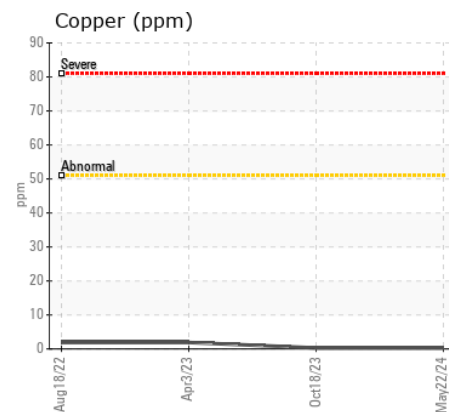
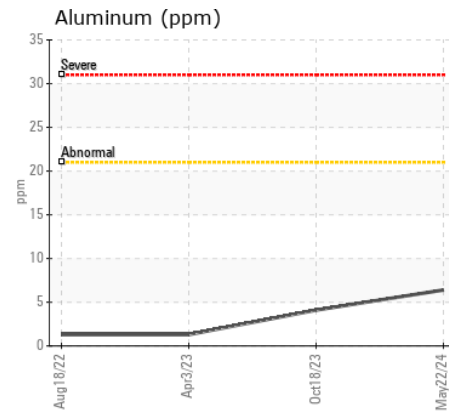
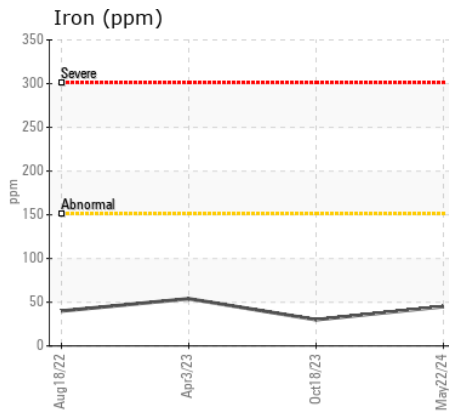
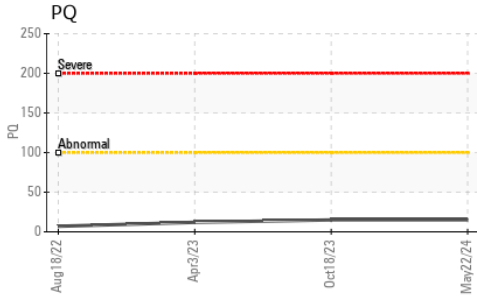
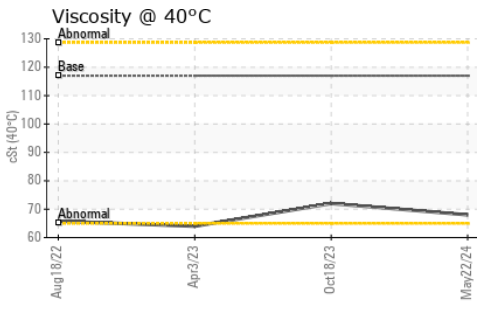
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	12	13	11
Potassium	ppm	ASTM D5185m	>20	3	2	<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	4	0	4
Boron	ppm	ASTM D5185m		314	326	66
Barium	ppm	ASTM D5185m		0	0	3
Molybdenum	ppm	ASTM D5185m		265	271	108
Manganese	ppm	ASTM D5185m		1	<1	3
Magnesium	ppm	ASTM D5185m		905	771	29
Calcium	ppm	ASTM D5185m		1764	1681	4351
Phosphorus	ppm	ASTM D5185m		1063	1097	1166
Zinc	ppm	ASTM D5185m		1259	1148	1358
Sulfur	ppm	ASTM D5185m		4471	4344	9993
Visc @ 40°C	cSt	ASTM D445	117	68.0	72.0	64.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196972 **Received** : 24 May 2024
Lab Number : 06190763 **Tested** : 29 May 2024
Unique Number : 11047515 **Diagnosed** : 29 May 2024 - Sean Felton
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
 5039 HWY 301 SOUTH
 HOPE MILLS, NC
 US 28348

Contact: FAYETTEVILLE SHOP
 stephen.mullis@jamesriverequipment.com; canastasio@wearcheck.com

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)

T:
F: