



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 300G C215652 (S/N 1FF300GXAJF730900)

Component
Pump Drive

Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221802	JR0170308	JR0131126
Sample Date		Client Info		01 Jul 2024	11 Aug 2023	20 Jun 2022
Machine Age	hrs	Client Info		2655	2353	2035
Oil Age	hrs	Client Info		2035	0	0
Filter Age	hrs	Client Info		2035	0	0
Oil Changed		Client Info		N/A	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		23	20	19
Iron	ppm	ASTM D5185m	>151	23	19	20
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	4	5	2
Lead	ppm	ASTM D5185m	>51	0	4	0
Copper	ppm	ASTM D5185m	>51	<1	5	<1
Tin	ppm	ASTM D5185m	>4	0	2	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

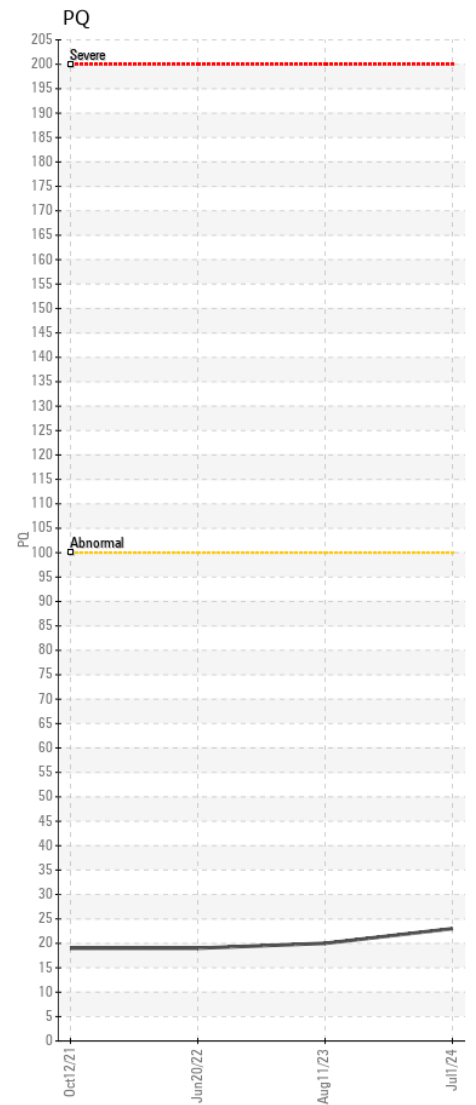
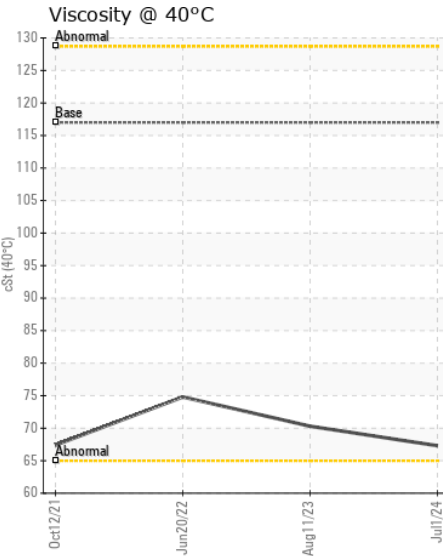
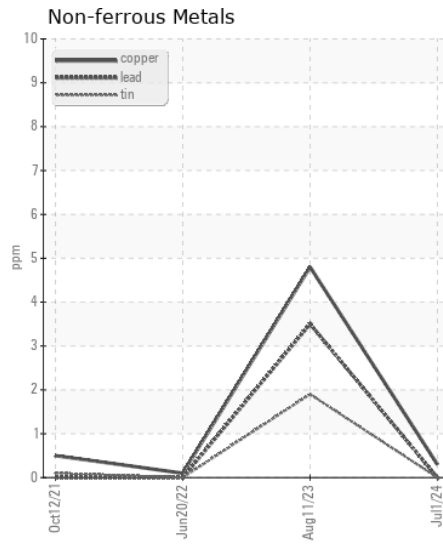
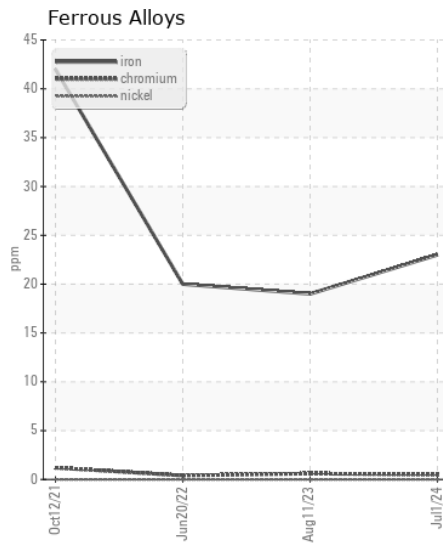
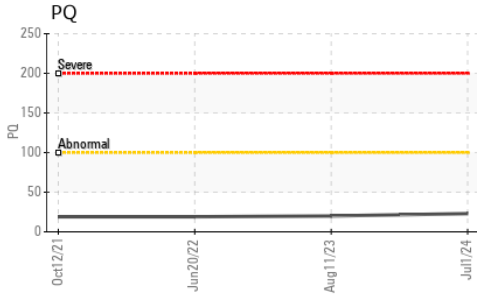
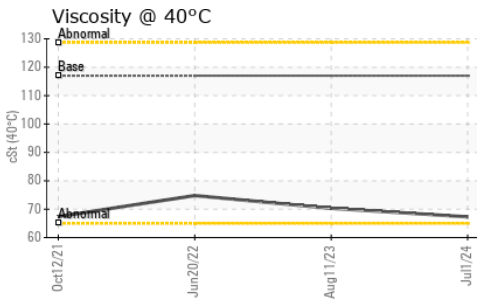
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	15	14	11
Potassium	ppm	ASTM D5185m	>20	<1	6	2
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	7	1
Boron	ppm	ASTM D5185m		274	337	334
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		243	276	271
Manganese	ppm	ASTM D5185m		<1	3	<1
Magnesium	ppm	ASTM D5185m		749	936	835
Calcium	ppm	ASTM D5185m		1510	1670	1537
Phosphorus	ppm	ASTM D5185m		978	1083	1022
Zinc	ppm	ASTM D5185m		978	1310	1200
Sulfur	ppm	ASTM D5185m		3799	5096	3769
Visc @ 40°C	cSt	ASTM D445	117	67.3	70.3	74.8



Certificate L2367

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

Sample No. : JR0221802

Lab Number : 06228932

Unique Number : 11112425

Test Package : CONST (Additional Tests: PQ)

Received : 05 Jul 2024

Tested : 08 Jul 2024

Diagnosed : 08 Jul 2024 - Wes Davis

JRE - STEPHENSON

245 YARDMASTER COURT

STEPHENSON, VA

US 22656-1761

Contact: PHIL DAUGHERTY

pdaugherty@jamesriverequipment.com

T: x:

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)

F: (540)693-2588