



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W67259]

Machine Id
JOHN DEERE 300G 1FF300GXJNF731921

Component
Pump Drive

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

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W67259)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0216094	JR0188732	JR0171040
Sample Date		Client Info		08 Jul 2024	05 Nov 2023	17 Jul 2023
Machine Age	hrs	Client Info		2200	1517	1046
Oil Age	hrs	Client Info		1729	471	1046
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	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		27	28	45
Iron	ppm	ASTM D5185m	>151	93	65	174
Chromium	ppm	ASTM D5185m	>11	2	1	5
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	2	0
Aluminum	ppm	ASTM D5185m	>21	8	6	2
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	<1	<1	1
Tin	ppm	ASTM D5185m	>4	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

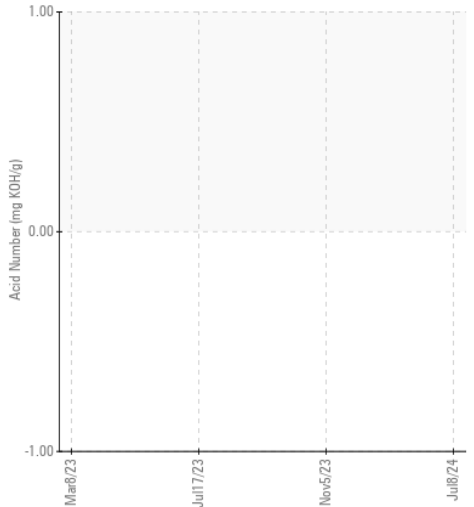
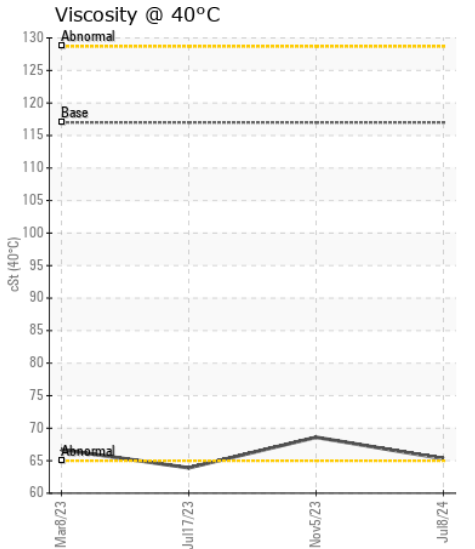
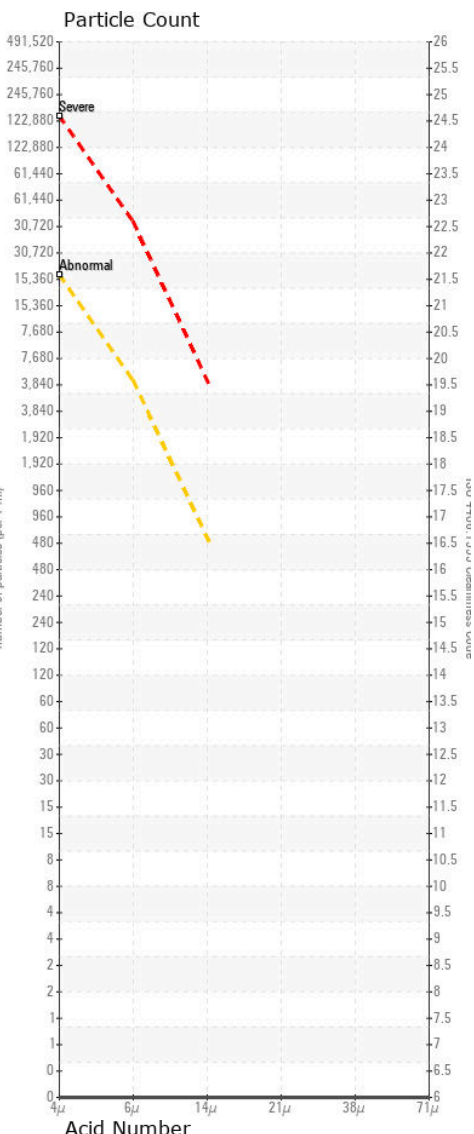
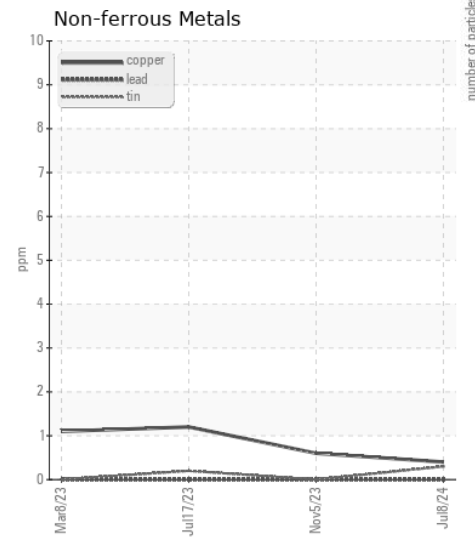
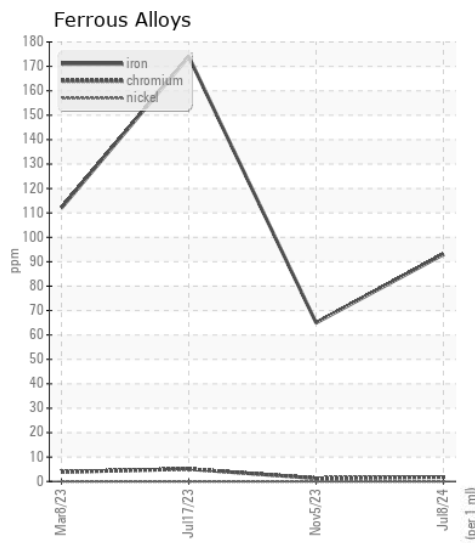
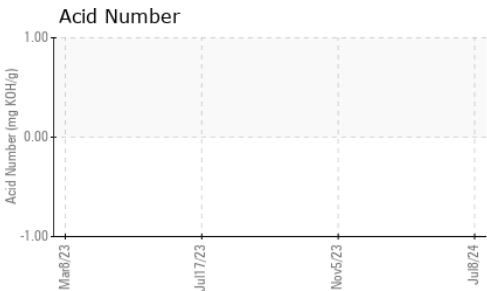
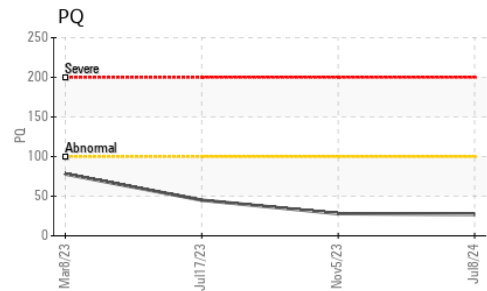
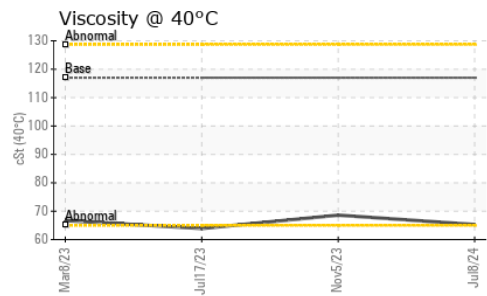
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	24	17	▲ 58
Potassium	ppm	ASTM D5185m	>20	4	2	0
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	5	0	5
Boron	ppm	ASTM D5185m		268	308	79
Barium	ppm	ASTM D5185m		0	0	4
Molybdenum	ppm	ASTM D5185m		233	251	110
Manganese	ppm	ASTM D5185m		2	1	8
Magnesium	ppm	ASTM D5185m		723	761	19
Calcium	ppm	ASTM D5185m		1425	1442	4304
Phosphorus	ppm	ASTM D5185m		1018	956	1205
Zinc	ppm	ASTM D5185m		1063	1083	1322
Sulfur	ppm	ASTM D5185m		4106	3932	9093
Visc @ 40°C	cSt	ASTM D445	117	65.3	68.6	63.9



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0216094 **Received** : 10 Jul 2024
Lab Number : 06232172 **Tested** : 11 Jul 2024
Unique Number : 11115665 **Diagnosed** : 11 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ, PrtCount)

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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)