



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 245G 1FF245GXEMF802020

Component
Left Final Drive

Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213735	JR0205152	JR0133437
Sample Date		Client Info		21 May 2024	21 Feb 2024	29 Jun 2022
Machine Age	hrs	Client Info		3525	3138	1380
Oil Age	hrs	Client Info		0	0	1380
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	SEVERE	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	13	1027	242
Iron	ppm	ASTM D5185m	>750	4	▲ 2078	438
Chromium	ppm	ASTM D5185m	>9	<1	▲ 24	8
Nickel	ppm	ASTM D5185m	>10	0	4	0
Titanium	ppm	ASTM D5185m		0	10	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>40	0	● 152	4
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	2	5	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

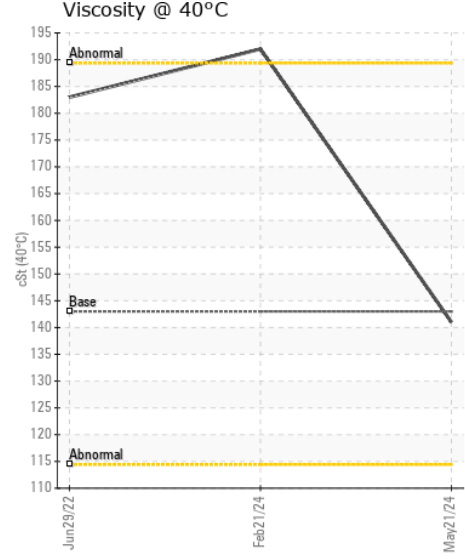
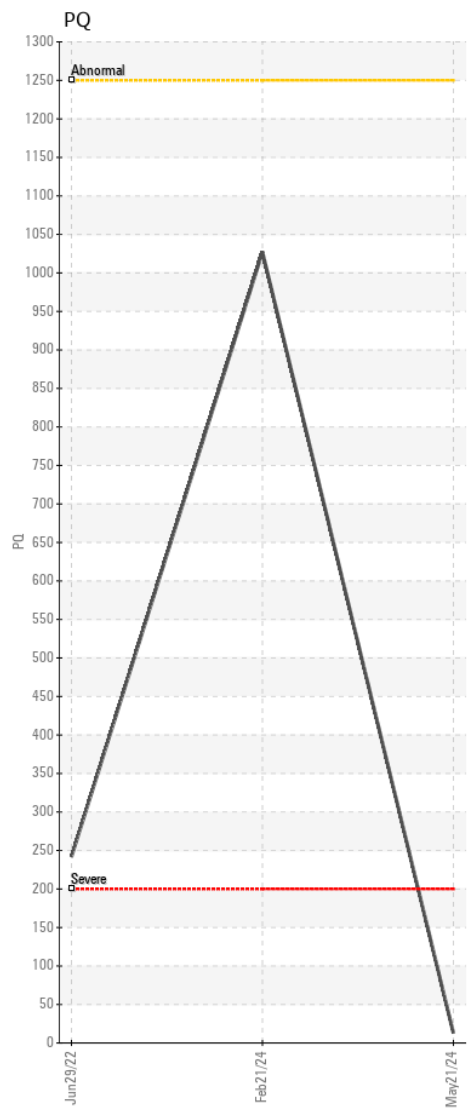
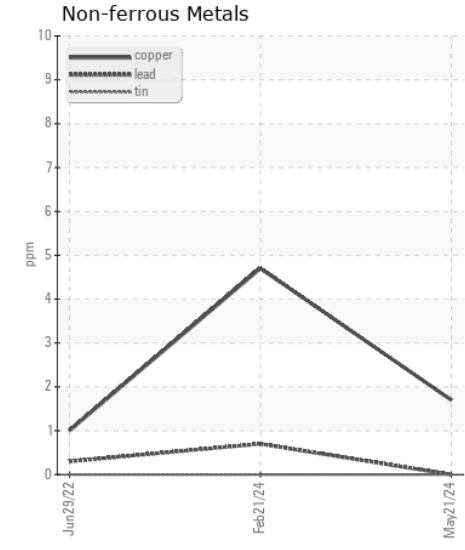
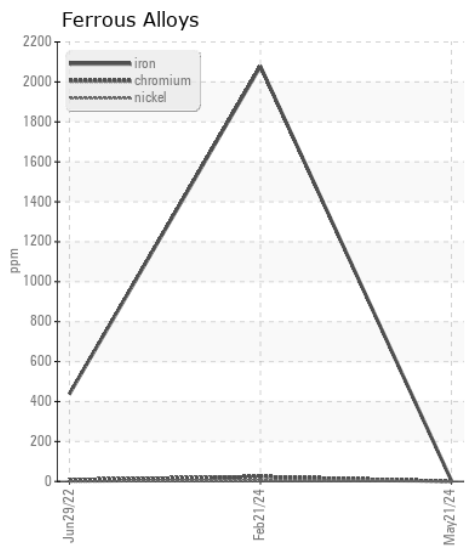
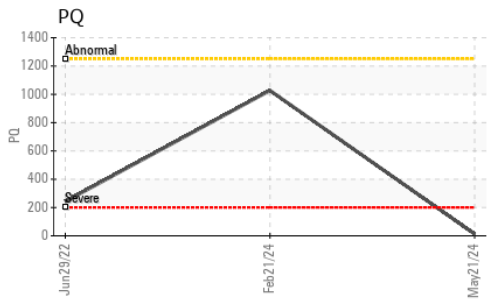
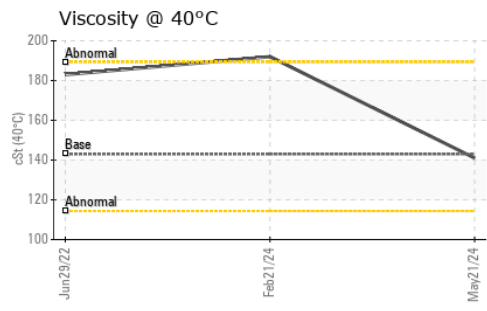
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	2	▲ 447	21
Potassium	ppm	ASTM D5185m	>20	0	20	4
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	1	13	0
Boron	ppm	ASTM D5185m	400	6	63	54
Barium	ppm	ASTM D5185m	200	0	11	6
Molybdenum	ppm	ASTM D5185m	12	<1	2	<1
Manganese	ppm	ASTM D5185m		<1	25	8
Magnesium	ppm	ASTM D5185m	12	6	14	<1
Calcium	ppm	ASTM D5185m	150	52	29	8
Phosphorus	ppm	ASTM D5185m	1650	120	462	446
Zinc	ppm	ASTM D5185m	125	20	46	30
Sulfur	ppm	ASTM D5185m	22500	21417	17318	14836
Visc @ 40°C	cSt	ASTM D445	143	141	192	183



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213735 **Received** : 22 May 2024
Lab Number : 06187942 **Tested** : 24 May 2024
Unique Number : 11044694 **Diagnosed** : 24 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 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)