



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
JOHN DEERE 245G 1FF245GXEMF802020
 Component
Pump Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213462	JR0205224	JR0133430
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	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

PQ		ASTM D8184		19	17	16
Iron	ppm	ASTM D5185m	>151	6	52	50
Chromium	ppm	ASTM D5185m	>11	<1	1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	<1	0
Aluminum	ppm	ASTM D5185m	>21	7	2	2
Lead	ppm	ASTM D5185m	>51	0	<1	<1
Copper	ppm	ASTM D5185m	>51	<1	1	1
Tin	ppm	ASTM D5185m	>4	<1	<1	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

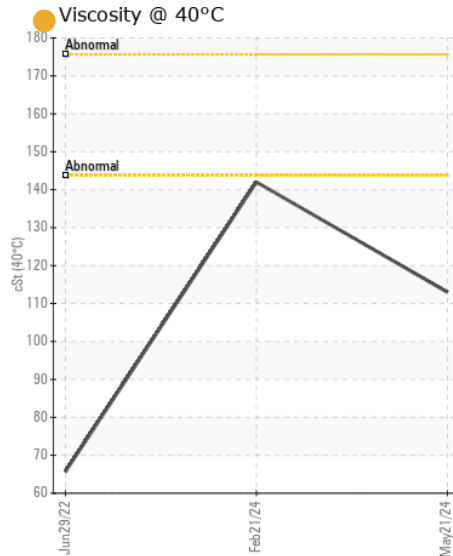
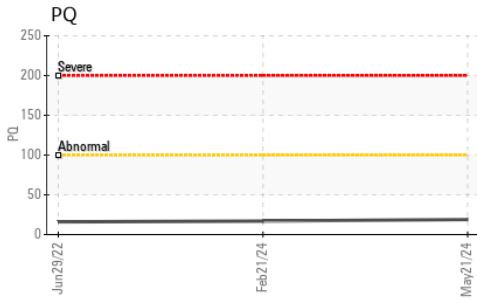
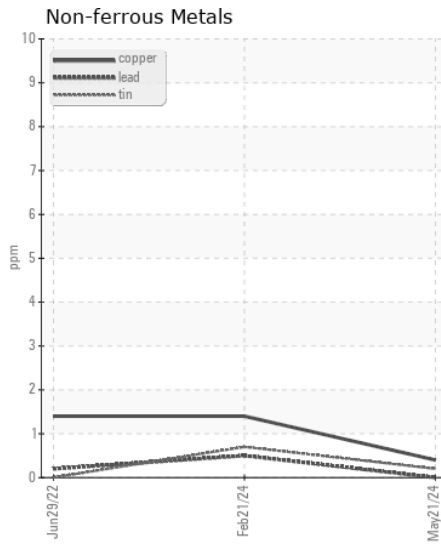
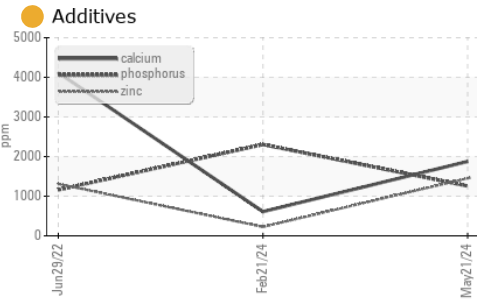
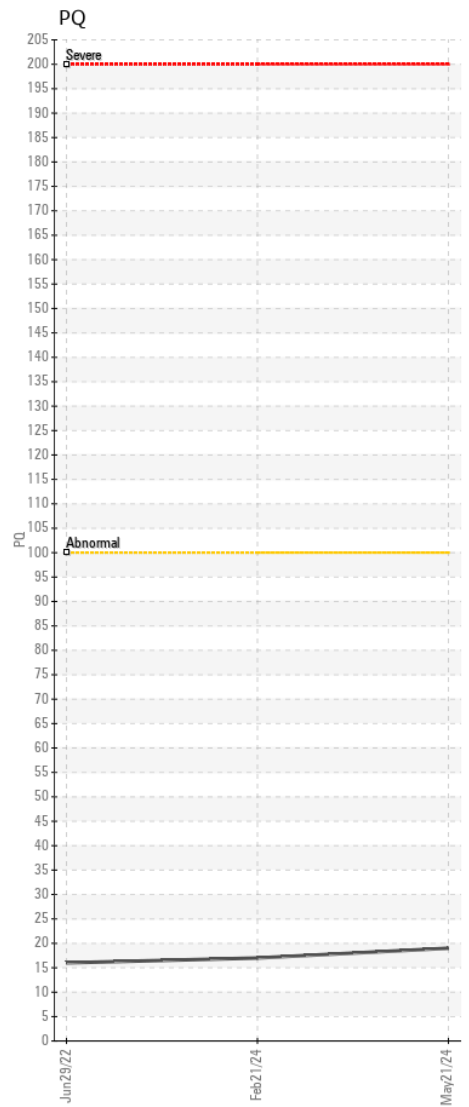
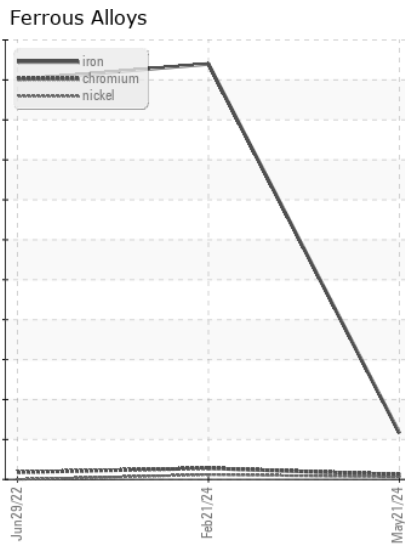
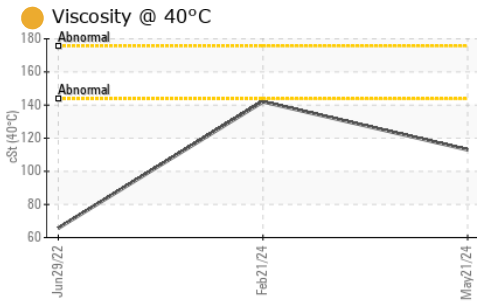
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	13	13	8
Potassium	ppm	ASTM D5185m	>20	3	2	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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	4	2	<1
Boron	ppm	ASTM D5185m		422	45	64
Barium	ppm	ASTM D5185m		0	9	6
Molybdenum	ppm	ASTM D5185m		336	16	106
Manganese	ppm	ASTM D5185m		<1	2	1
Magnesium	ppm	ASTM D5185m		1104	6	24
Calcium	ppm	ASTM D5185m		1876	610	4117
Phosphorus	ppm	ASTM D5185m		1257	2305	1158
Zinc	ppm	ASTM D5185m		1453	225	1310
Sulfur	ppm	ASTM D5185m		5326	32035	8654
Visc @ 40°C	cSt	ASTM D445		113	142	65.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213462 **Received** : 22 May 2024
Lab Number : 06187919 **Tested** : 24 May 2024
Unique Number : 11044671 **Diagnosed** : 24 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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)