



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
000696
 Component
Left Final 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		JR0214756	JR0199187	JR0187692
Sample Date		Client Info		08 May 2024	12 Jan 2024	18 Sep 2023
Machine Age	hrs	Client Info		1523	966	482
Oil Age	hrs	Client Info		1523	966	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

PQ		ASTM D8184		227	191	158
Iron	ppm	ASTM D5185m	>500	620	490	485
Chromium	ppm	ASTM D5185m	>10	10	7	8
Nickel	ppm	ASTM D5185m	>10	1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	1	2
Lead	ppm	ASTM D5185m	>25	1	0	<1
Copper	ppm	ASTM D5185m	>50	2	2	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

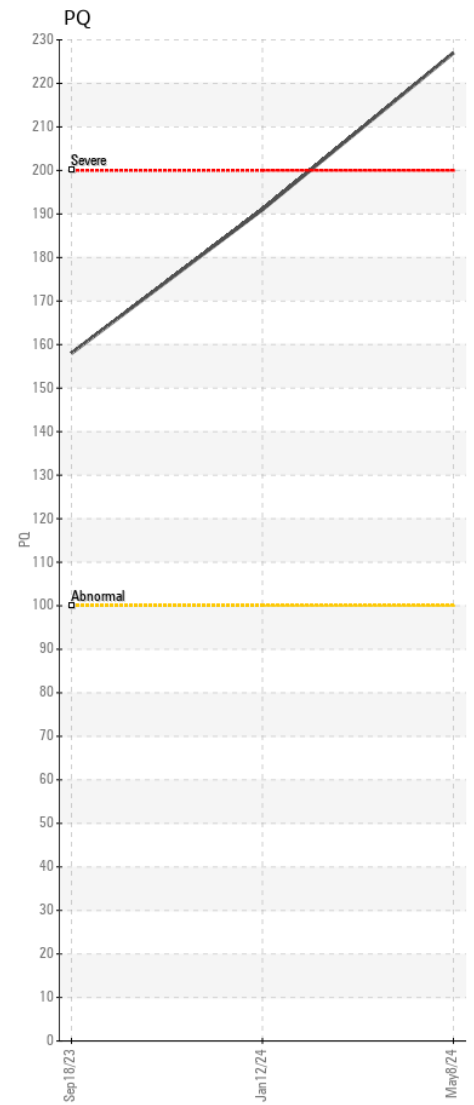
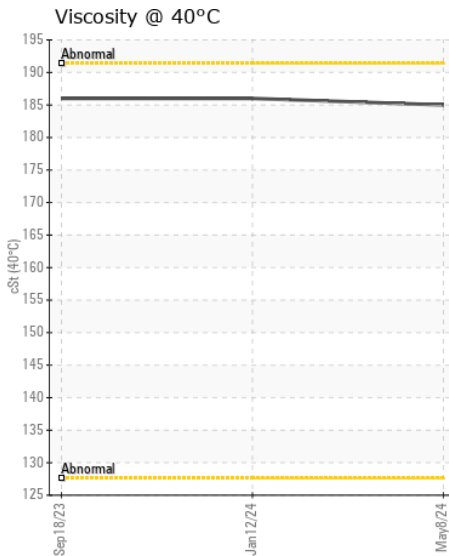
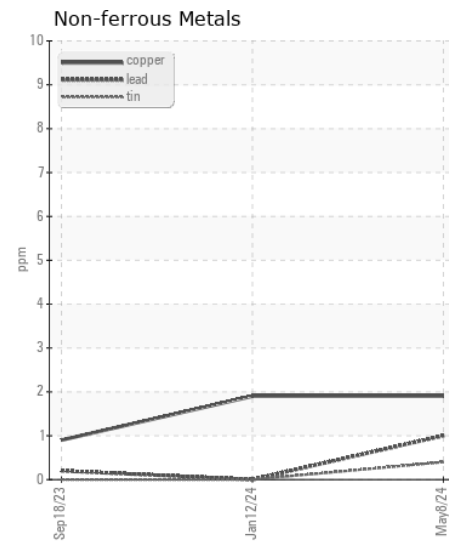
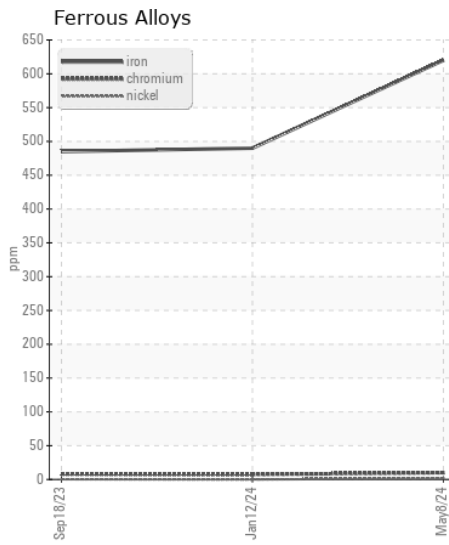
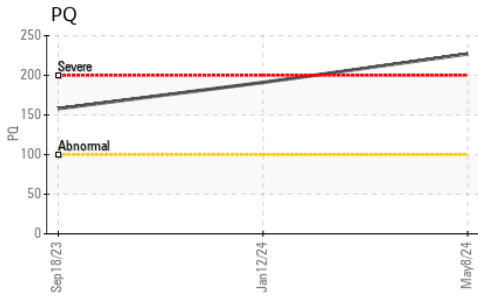
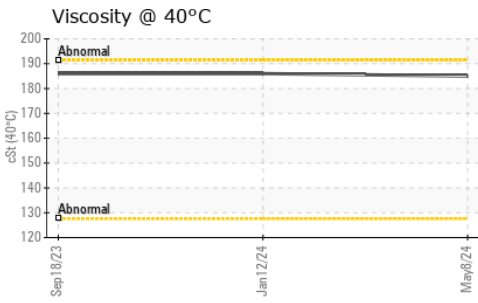
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	21	15	22
Potassium	ppm	ASTM D5185m	>20	3	0	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	LIGHT	NONE
Debris	scalar	*Visual	NONE	MODER	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	0	1
Boron	ppm	ASTM D5185m		92	57	96
Barium	ppm	ASTM D5185m		1	2	2
Molybdenum	ppm	ASTM D5185m		2	0	<1
Manganese	ppm	ASTM D5185m		12	9	9
Magnesium	ppm	ASTM D5185m		7	4	1
Calcium	ppm	ASTM D5185m		27	36	27
Phosphorus	ppm	ASTM D5185m		696	527	734
Zinc	ppm	ASTM D5185m		34	29	23
Sulfur	ppm	ASTM D5185m		22331	15438	24502
Visc @ 40°C	cSt	ASTM D445		185	186	186



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214756 **Received** : 09 May 2024
Lab Number : 06174121 **Tested** : 10 May 2024
Unique Number : 11020174 **Diagnosed** : 12 May 2024 - Don Baldrige
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)