



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
[W68476]

Machine Id
HITACHI 1FFDC571HLF340857

Component
Pump Drive

Fluid
JOHN DEERE GL-5 80W90 (1 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W68476)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0219674	JR0188362	---
Sample Date		Client Info		08 Jul 2024	07 Sep 2023	---
Machine Age	hrs	Client Info		3908	3003	---
Oil Age	hrs	Client Info		905	3003	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				ATTENTION	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		16	11	---
Iron	ppm	ASTM D5185m	>500	50	58	---
Chromium	ppm	ASTM D5185m	>15	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	2	<1	---
Lead	ppm	ASTM D5185m		0	<1	---
Copper	ppm	ASTM D5185m	>35	2	2	---
Tin	ppm	ASTM D5185m	>4	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

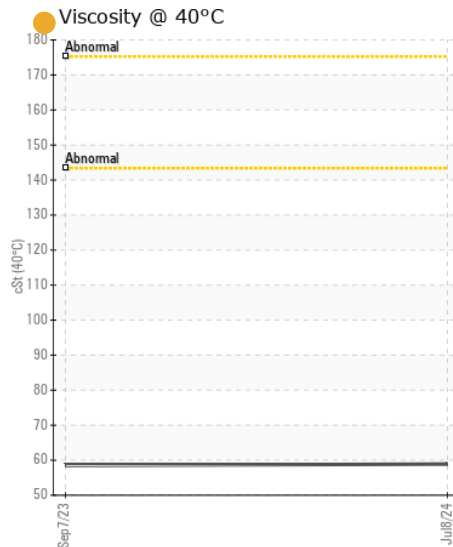
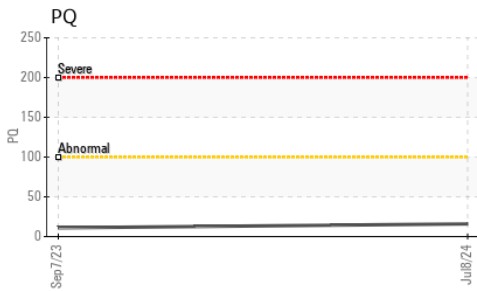
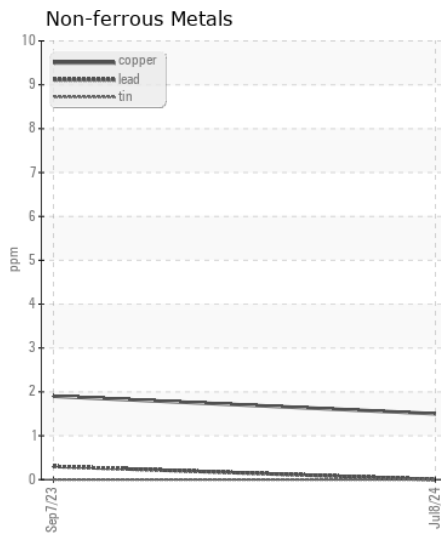
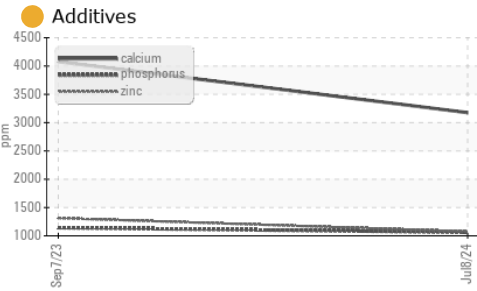
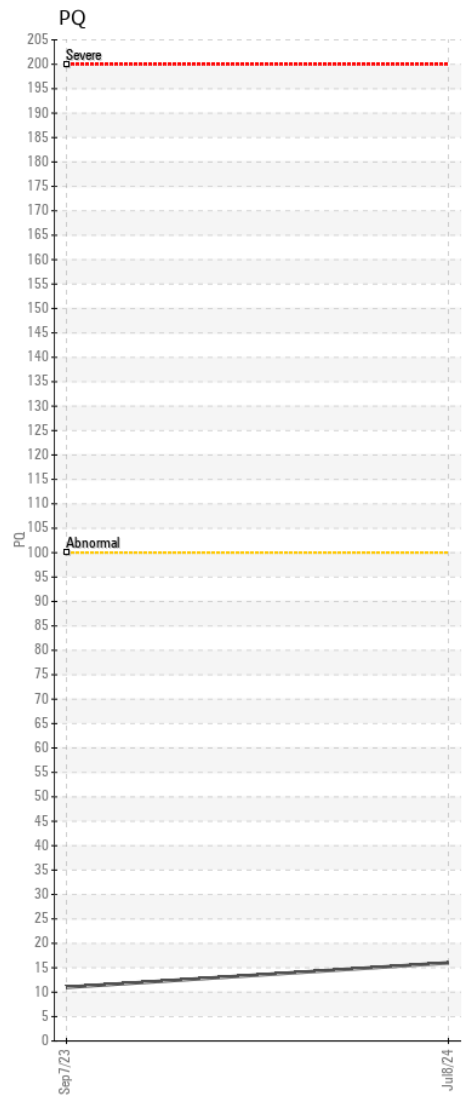
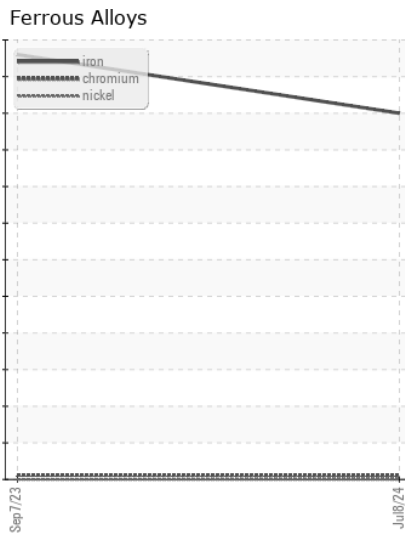
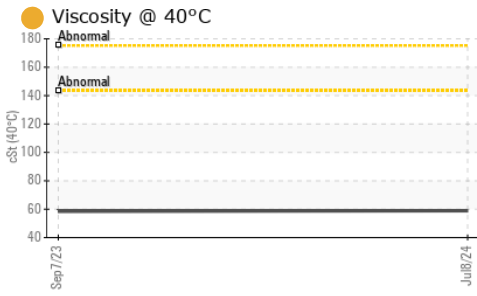
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	10	17	---
Potassium	ppm	ASTM D5185m	>20	1	0	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	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		5	5	---
Boron	ppm	ASTM D5185m		78	62	---
Barium	ppm	ASTM D5185m		4	0	---
Molybdenum	ppm	ASTM D5185m		109	104	---
Manganese	ppm	ASTM D5185m		1	2	---
Magnesium	ppm	ASTM D5185m		108	14	---
Calcium	ppm	ASTM D5185m		3176	4077	---
Phosphorus	ppm	ASTM D5185m		1061	1143	---
Zinc	ppm	ASTM D5185m		1077	1313	---
Sulfur	ppm	ASTM D5185m		7414	8971	---
Visc @ 40°C	cSt	ASTM D445		58.9	58.5	---



Certificate L2367

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

Sample No. : JR0219674

Lab Number : 06232527

Unique Number : 11116020

Test Package : CONST (Additional Tests: PQ)

Received : 10 Jul 2024

Tested : 11 Jul 2024

Diagnosed : 12 Jul 2024 - Don Baldrige

JRE - CHARLOTTE

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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)