



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W66265]
 Machine Id
HITACHI 210LC 1FFDC571EMF341025
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W66265)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0205879	JR0188562	JR0141958
Sample Date		Client Info		23 Apr 2024	29 Sep 2023	12 Apr 2023
Machine Age	hrs	Client Info		2014	1533	945
Oil Age	hrs	Client Info		1426	588	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Not Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		181	125	9
Iron	ppm	ASTM D5185m	>500	292	233	0
Chromium	ppm	ASTM D5185m	>10	5	4	0
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	2	0
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

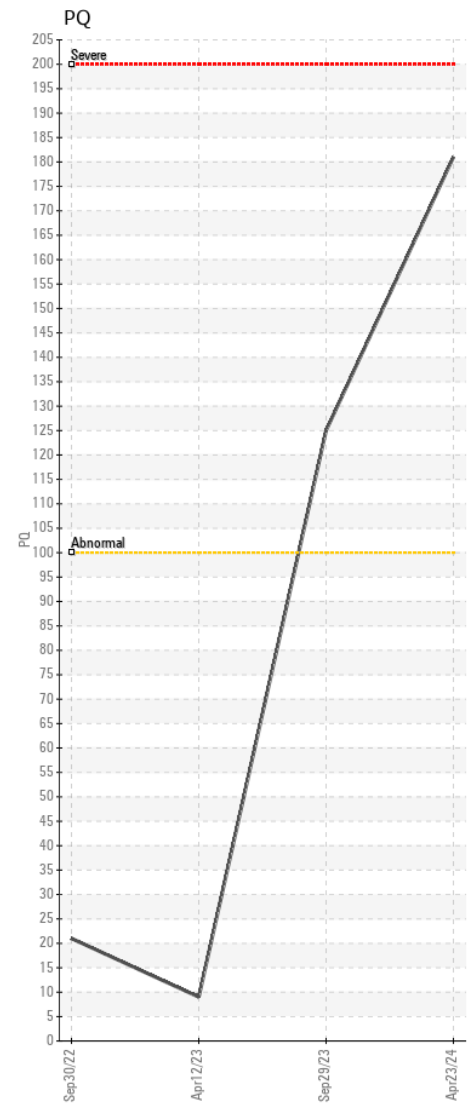
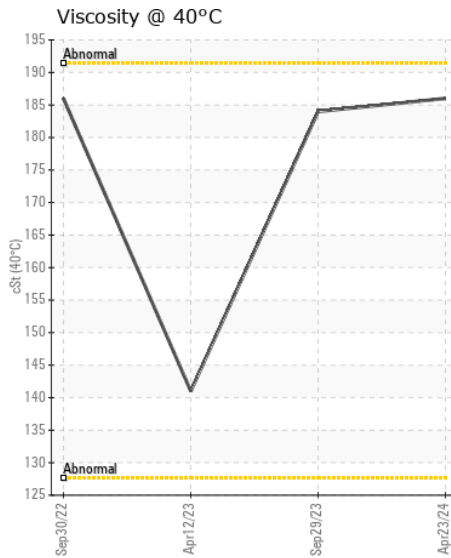
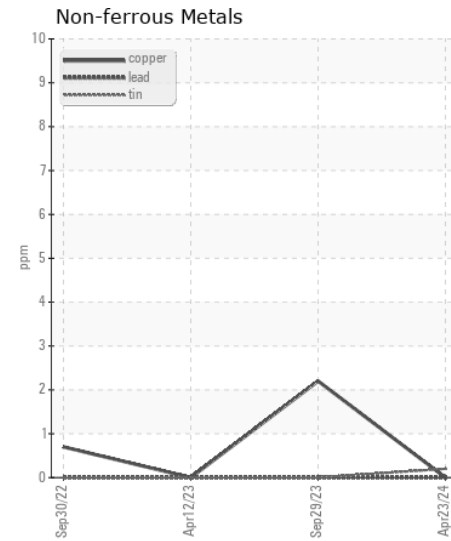
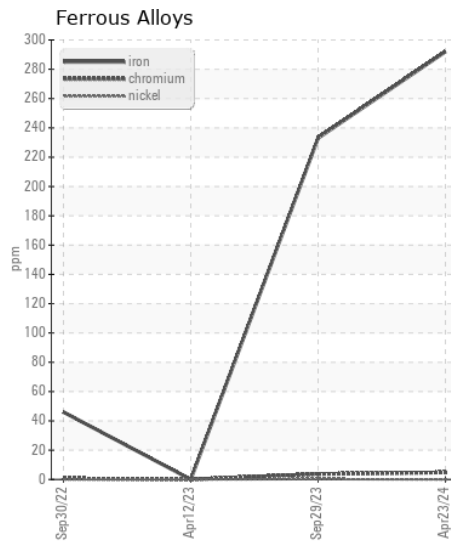
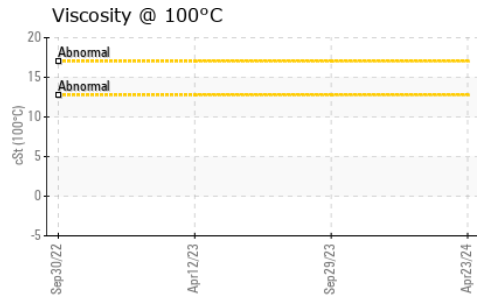
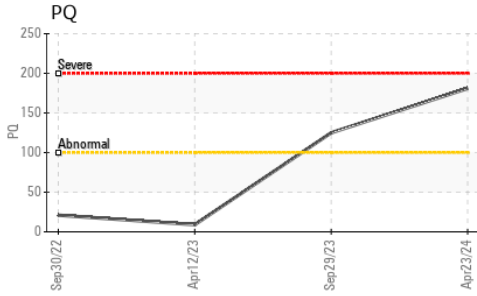
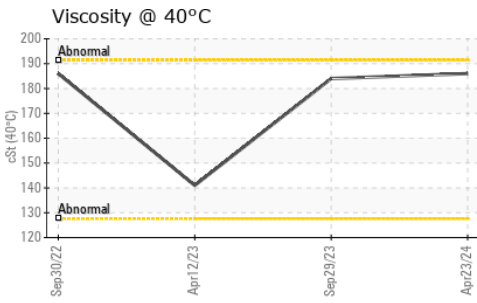
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	27	24	<1
Potassium	ppm	ASTM D5185m	>20	3	4	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	2	0
Boron	ppm	ASTM D5185m		47	57	46
Barium	ppm	ASTM D5185m		10	2	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		6	5	<1
Magnesium	ppm	ASTM D5185m		3	6	<1
Calcium	ppm	ASTM D5185m		12	15	21
Phosphorus	ppm	ASTM D5185m		536	539	979
Zinc	ppm	ASTM D5185m		32	15	0
Sulfur	ppm	ASTM D5185m		18368	16501	25056
Visc @ 40°C	cSt	ASTM D445		186	184	141



Certificate L2367

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

Sample No. : JR0205879

Lab Number : 06160652

Unique Number : 10996075

Test Package : CONST (Additional Tests: FT-IR, KV100, PQ)

Received : 25 Apr 2024

Tested : 27 Apr 2024

Diagnosed : 27 Apr 2024 - Don Baldrige

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)

JRE - CHARLOTTE

9550 STATESVILLE ROAD

CHARLOTTE, NC

US 28269

Contact: CHARLOTTE SHOP

myoung@jamesriverequipment.com

T: (704)597-0211

F: (704)596-6198