



Area
[16W16317]

Machine Id
HITACHI 1FFDC571ELF340844

Component
Right Final Drive

Fluid
JOHN DEERE GL-5 80W90 (7 QTS)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: 16W16317)

WEAR

All component wear rates are normal.

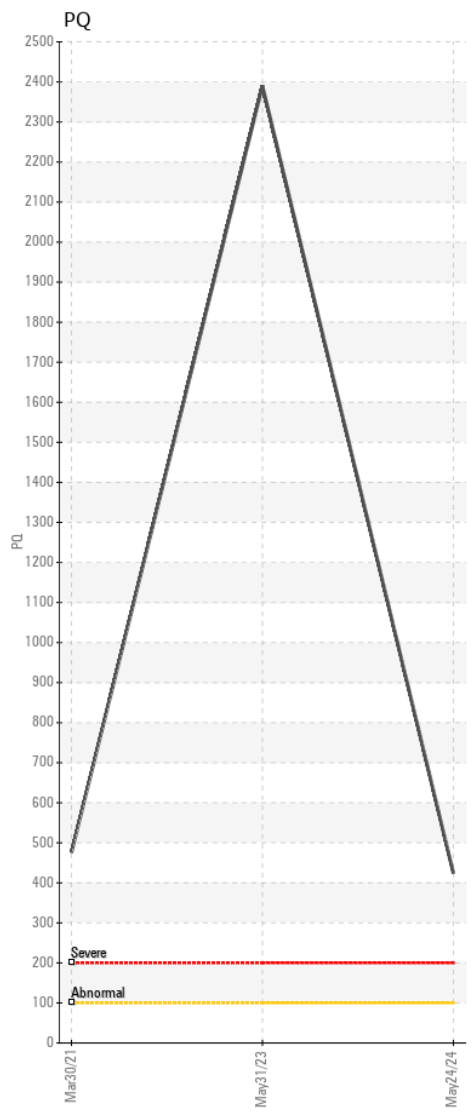
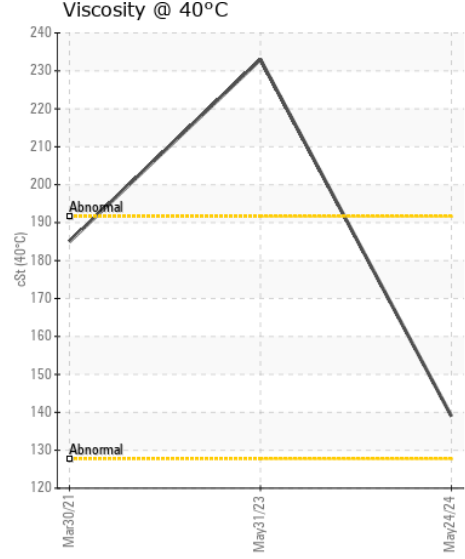
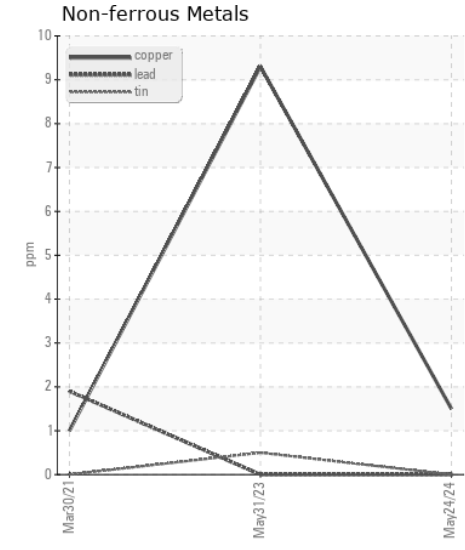
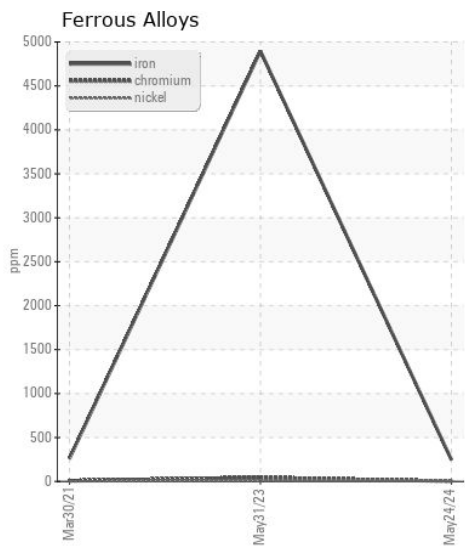
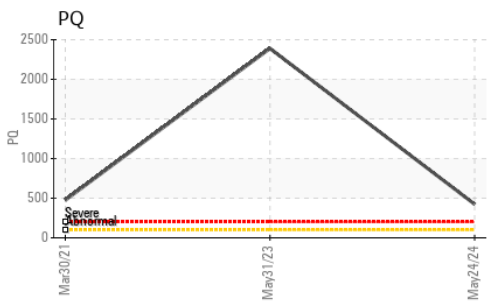
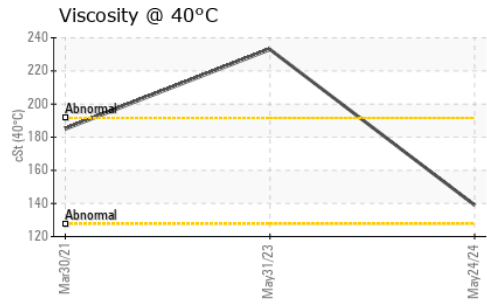
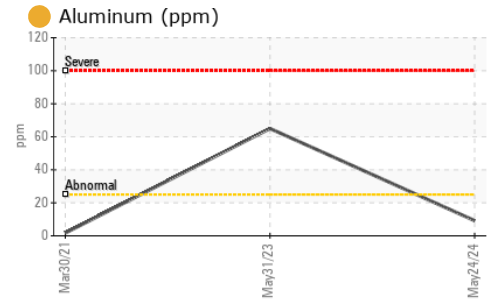
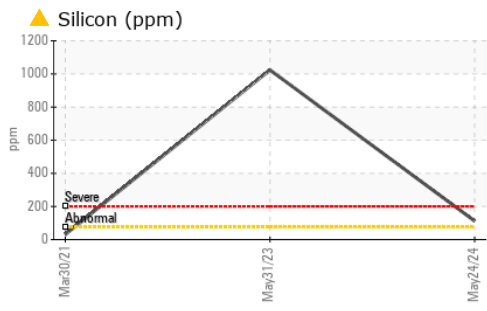
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206883	JR0173321	JR0082619
Sample Date		Client Info		24 May 2024	31 May 2023	30 Mar 2021
Machine Age	hrs	Client Info		3997	2653	460
Oil Age	hrs	Client Info		442	2653	460
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	NORMAL
PQ		ASTM D8184		424	2390	476
Iron	ppm	ASTM D5185m	>500	247	▲ 4897	260
Chromium	ppm	ASTM D5185m	>10	2	▲ 45	7
Nickel	ppm	ASTM D5185m	>10	3	9	<1
Titanium	ppm	ASTM D5185m		1	9	<1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	● 9	● 65	2
Lead	ppm	ASTM D5185m	>25	0	0	2
Copper	ppm	ASTM D5185m	>50	2	9	1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ 112	▲ 1024	31
Potassium	ppm	ASTM D5185m	>20	4	16	0
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		58	2	<1
Boron	ppm	ASTM D5185m		0	66	63
Barium	ppm	ASTM D5185m		0	0	8
Molybdenum	ppm	ASTM D5185m		<1	4	0
Manganese	ppm	ASTM D5185m		2	42	6
Magnesium	ppm	ASTM D5185m		6	1	<1
Calcium	ppm	ASTM D5185m		135	39	13
Phosphorus	ppm	ASTM D5185m		214	459	490
Zinc	ppm	ASTM D5185m		46	27	14
Sulfur	ppm	ASTM D5185m		19432	25056	12954
Visc @ 40°C	cSt	ASTM D445		139	233	185



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206883 **Received** : 28 May 2024
Lab Number : 06192515 **Tested** : 30 May 2024
Unique Number : 11049267 **Diagnosed** : 30 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819

Contact: WILMINGTON SHOP

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F:

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)