



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[16W16317]

Machine Id
HITACHI 1FFDC571ELF340844

Component
Swing Drive

Fluid
JOHN DEERE GL-5 80W90 (6 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16317)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206884	JR0196346	JR0173322
Sample Date		Client Info		24 May 2024	15 Jan 2024	31 May 2023
Machine Age	hrs	Client Info		3997	3555	2653
Oil Age	hrs	Client Info		997	1000	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		27	23	30
Iron	ppm	ASTM D5185m	>400	79	141	186
Chromium	ppm	ASTM D5185m	>10	<1	1	2
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	<1	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

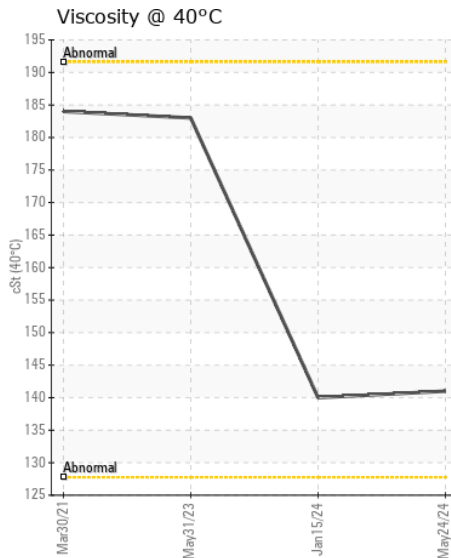
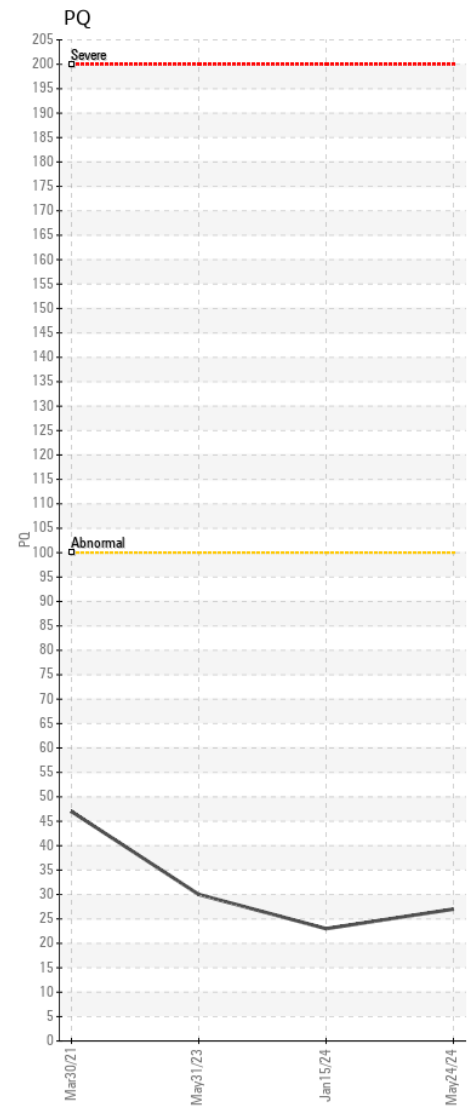
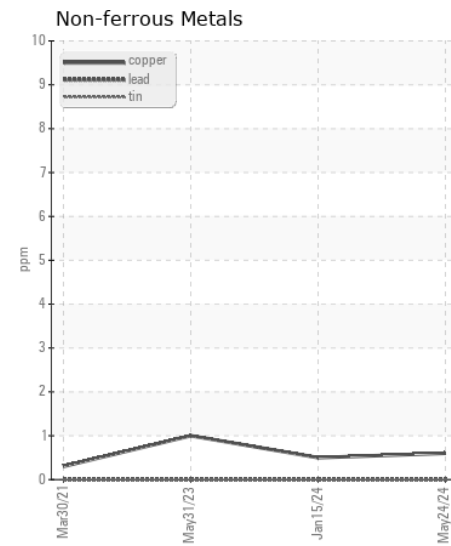
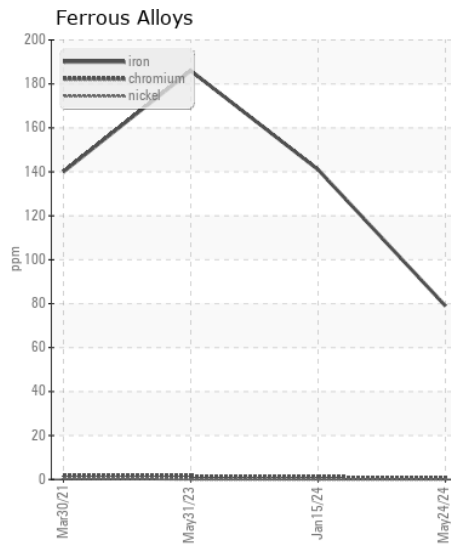
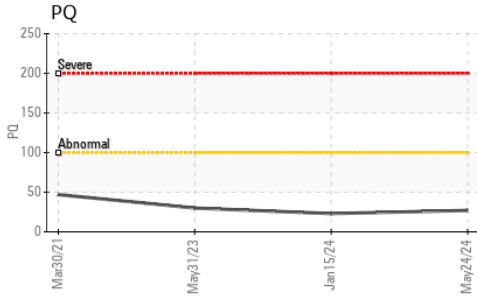
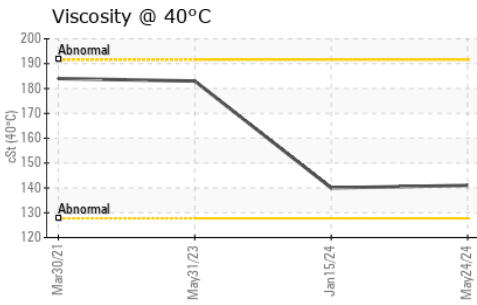
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	9	18	18
Potassium	ppm	ASTM D5185m	>20	2	2	6
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	<1	4
Boron	ppm	ASTM D5185m		25	18	56
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		6	0	<1
Manganese	ppm	ASTM D5185m		1	1	4
Magnesium	ppm	ASTM D5185m		20	0	0
Calcium	ppm	ASTM D5185m		40	7	31
Phosphorus	ppm	ASTM D5185m		357	355	477
Zinc	ppm	ASTM D5185m		24	0	<1
Sulfur	ppm	ASTM D5185m		19397	18195	17910
Visc @ 40°C	cSt	ASTM D445		141	140.0	183



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206884 **Received** : 28 May 2024
Lab Number : 06192517 **Tested** : 30 May 2024
Unique Number : 11049269 **Diagnosed** : 30 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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 - CASTLE HAYNE
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