



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[16W16595]
 Machine Id
HITACHI FF00ASP920190
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (8 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16595)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217331	JR0202873	JR0098875
Sample Date		Client Info		08 Jul 2024	30 Jan 2024	11 Aug 2021
Machine Age	hrs	Client Info		13107	11748	11748
Oil Age	hrs	Client Info		269	2000	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	SEVERE	SEVERE

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		35	501	868
Iron	ppm	ASTM D5185m	>500	58	▲ 9181	▲ 1913
Chromium	ppm	ASTM D5185m	>10	<1	▲ 72	▲ 17
Nickel	ppm	ASTM D5185m	>10	0	9	2
Titanium	ppm	ASTM D5185m		<1	44	11
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	5	● 354	● 88
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>50	<1	16	3
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	2	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

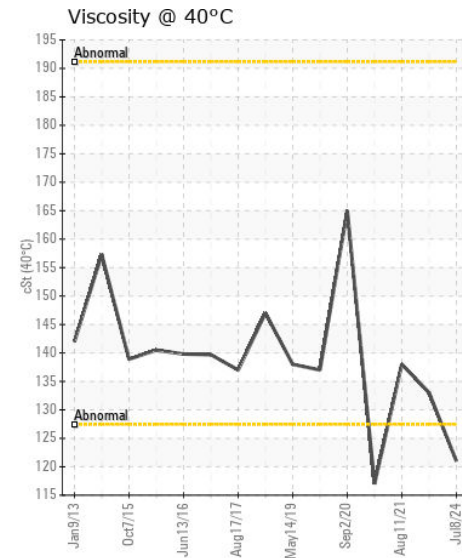
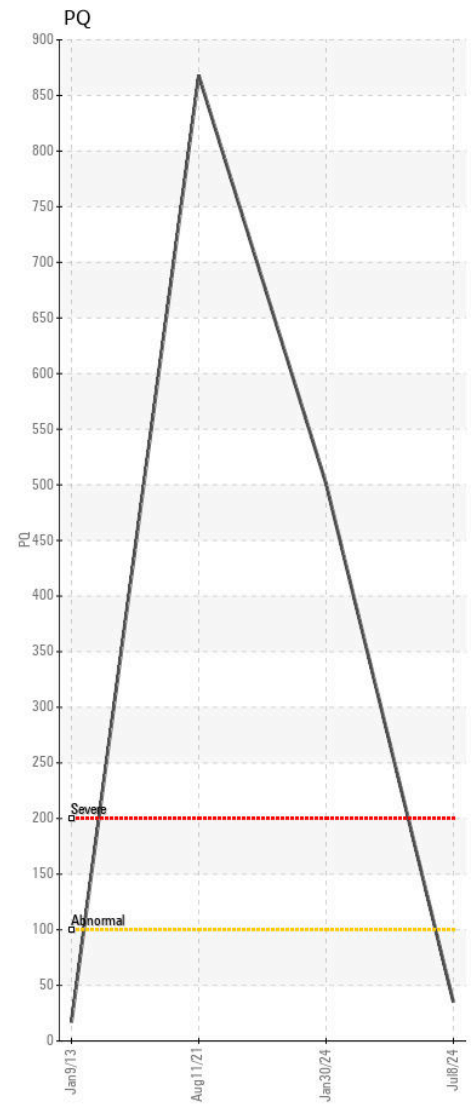
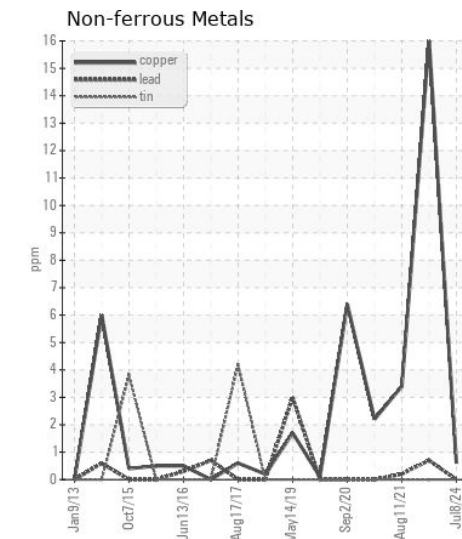
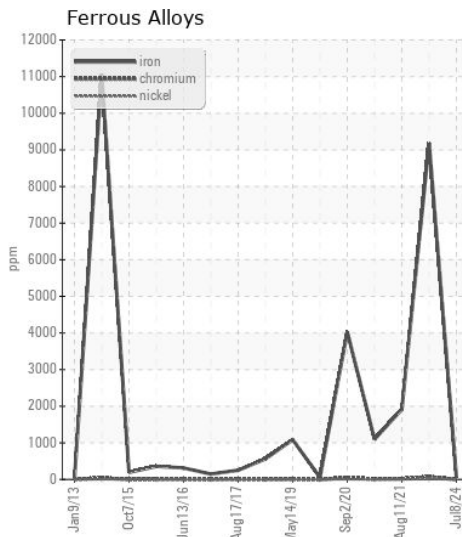
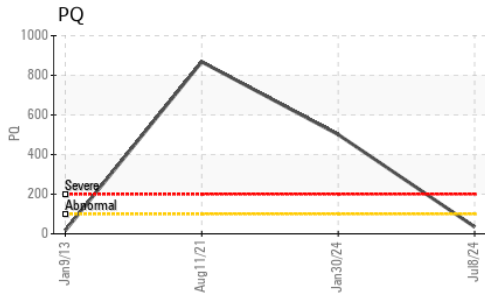
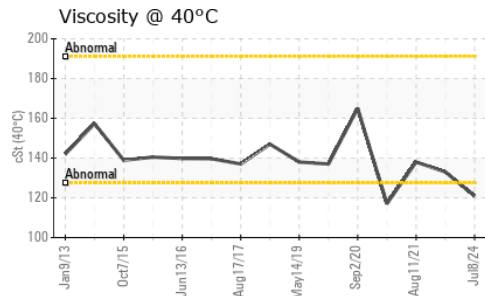
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>75	29	▲ 2497	▲ 620
Potassium	ppm	ASTM D5185m	>20	2	48	15
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	▲ 0.2%	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	30	6
Boron	ppm	ASTM D5185m		4	217	174
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	9	5
Manganese	ppm	ASTM D5185m		<1	66	13
Magnesium	ppm	ASTM D5185m		7	40	18
Calcium	ppm	ASTM D5185m		215	159	103
Phosphorus	ppm	ASTM D5185m		1931	1225	1553
Zinc	ppm	ASTM D5185m		57	42	43
Sulfur	ppm	ASTM D5185m		26099	20786	17828
Visc @ 40°C	cSt	ASTM D445		121	133	138



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217331 **Received** : 10 Jul 2024
Lab Number : 06232503 **Tested** : 11 Jul 2024
Unique Number : 11115996 **Diagnosed** : 12 Jul 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)

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