



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W68411]

Machine Id
HITACHI 300LC 1FFDDP7M840740

Component
Swing Drive Gear Case

Fluid
JOHN DEERE GL-5 80W90 (3 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W68411)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0219784	JR0205709	JR0192654
Sample Date		Client Info		16 Jul 2024	18 Mar 2024	09 Nov 2023
Machine Age	hrs	Client Info		3505	3032	2535
Oil Age	hrs	Client Info		473	1032	1096
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		24	24	16
Iron	ppm	ASTM D5185m	>200	46	28	20
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m		1	0	1
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		0	0	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

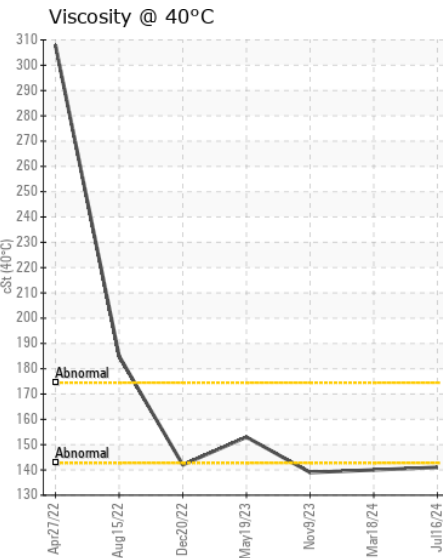
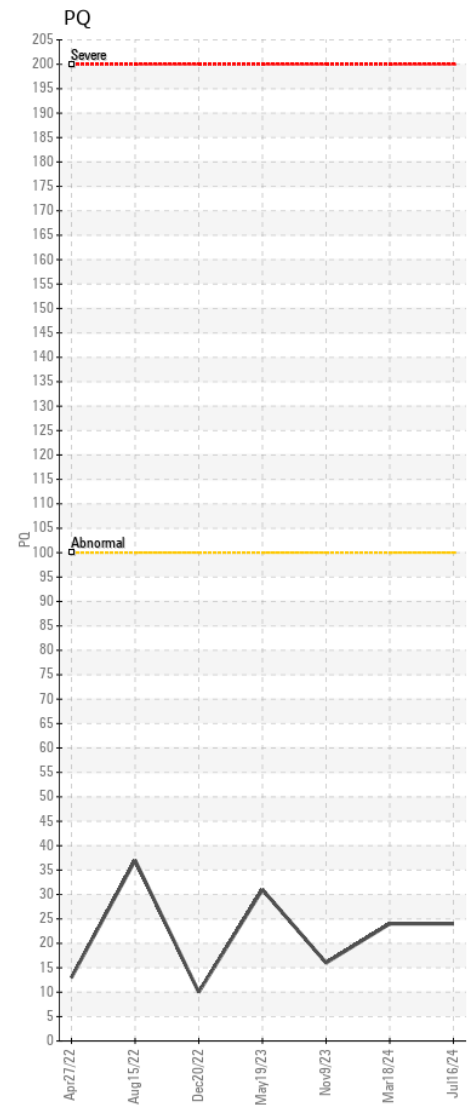
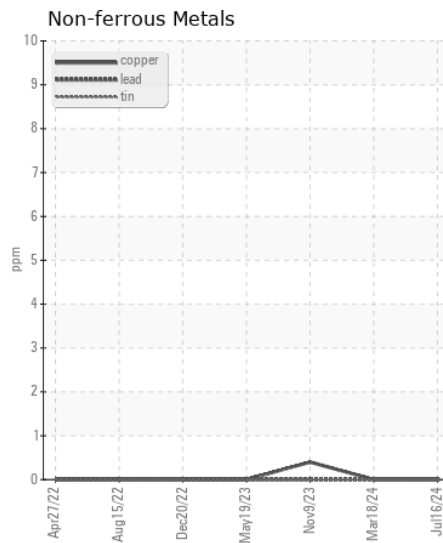
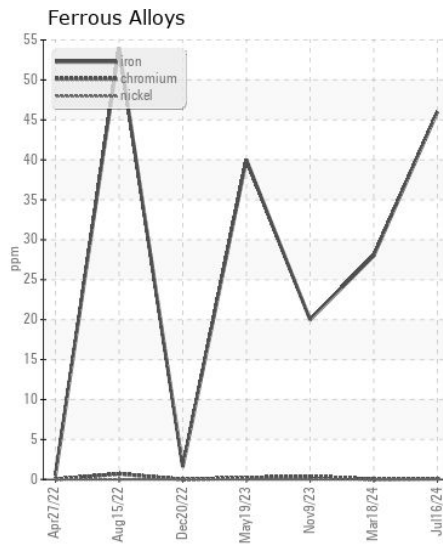
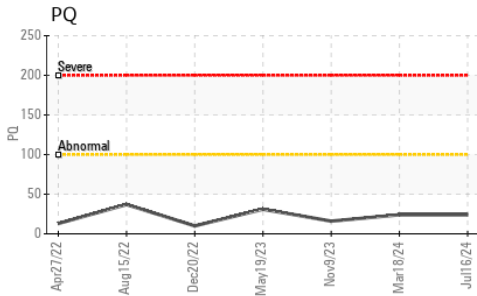
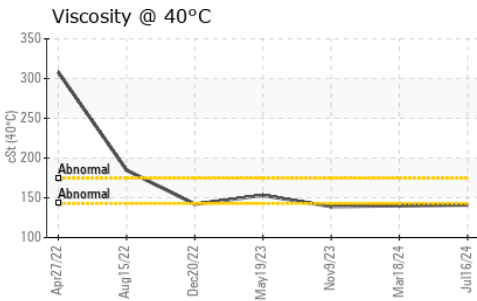
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		6	2	3
Potassium	ppm	ASTM D5185m	>20	0	0	2
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		1	0	0
Boron	ppm	ASTM D5185m		6	30	30
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		<1	<1	1
Calcium	ppm	ASTM D5185m		5	14	6
Phosphorus	ppm	ASTM D5185m		567	440	403
Zinc	ppm	ASTM D5185m		0	4	0
Sulfur	ppm	ASTM D5185m		21108	22208	18382
Visc @ 40°C	cSt	ASTM D445		141	140	139



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0219784
Lab Number : 06240561
Unique Number : 11129395
Test Package : CONST (Additional Tests: PQ)

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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)