



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 9 - Marietta
Machine Id
JOHN DEERE 350G EX7 (S/N JF812434)
Component
Swing Drive
Fluid
GEAR OIL SAE 90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049017	LEC0038370	LEC0013998
Sample Date		Client Info		29 May 2024	18 Apr 2023	22 Aug 2020
Machine Age	hrs	Client Info		6220	5556	3159
Oil Age	hrs	Client Info		500	1000	500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Changed	Changed
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		24	16	43
Iron	ppm	ASTM D5185m	>151	134	16	58
Chromium	ppm	ASTM D5185m	>11	1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	1	<1	<1
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	0	0	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

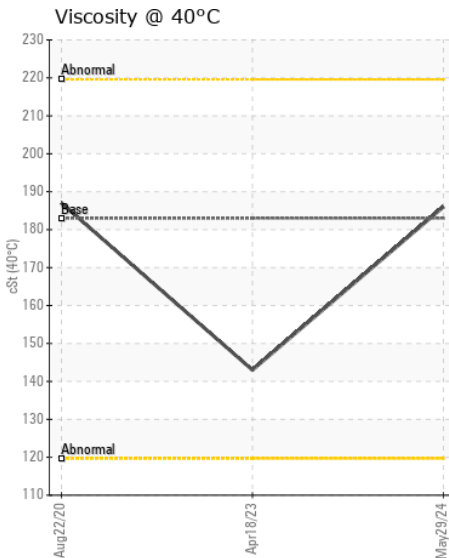
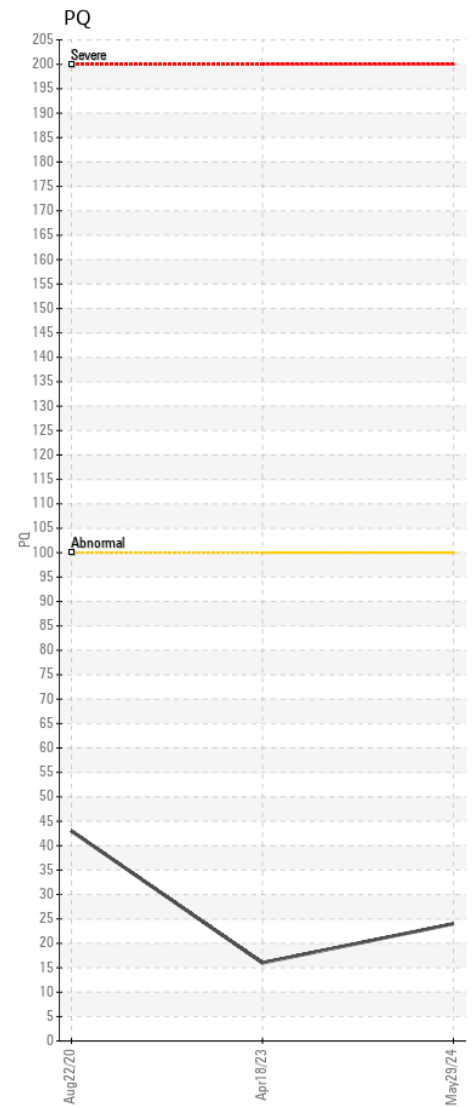
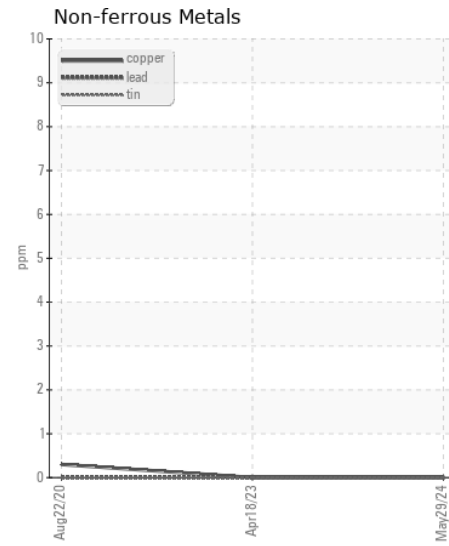
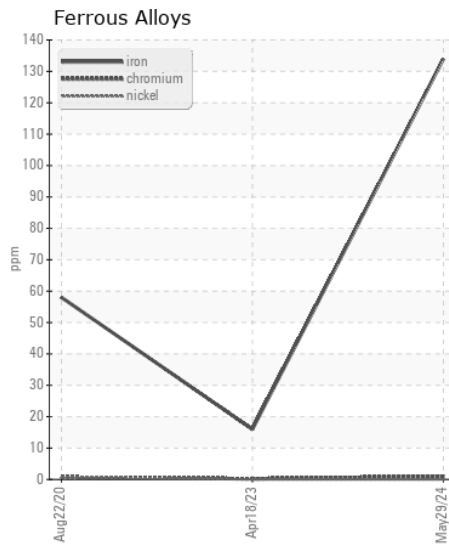
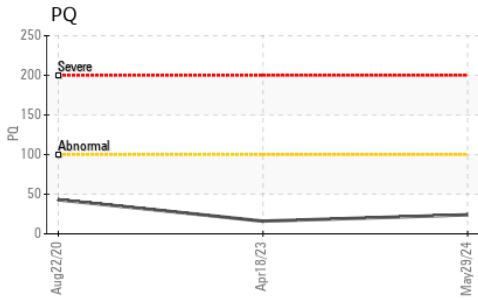
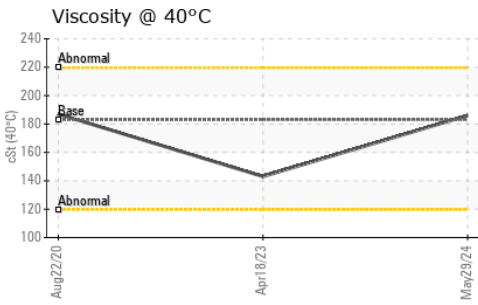
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	21	5	19
Potassium	ppm	ASTM D5185m	>20	2	1	14
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	2	0	2
Boron	ppm	ASTM D5185m	400	38	157	68
Barium	ppm	ASTM D5185m	200	3	0	2
Molybdenum	ppm	ASTM D5185m	12	0	0	0
Manganese	ppm	ASTM D5185m		3	<1	1
Magnesium	ppm	ASTM D5185m	12	2	4	2
Calcium	ppm	ASTM D5185m	150	13	9	15
Phosphorus	ppm	ASTM D5185m	1650	551	850	496
Zinc	ppm	ASTM D5185m	125	8	2	8
Sulfur	ppm	ASTM D5185m	22500	18359	20735	12709
Visc @ 40°C	cSt	ASTM D445	183	186	143	187



Certificate L2367

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

Sample No. : LEC0049017

Lab Number : 06227713

Unique Number : 1111206

Test Package : CONST (Additional Tests: PQ)

Received : 03 Jul 2024

Tested : 05 Jul 2024

Diagnosed : 06 Jul 2024 - Don Baldrige

LANE PIPELINE

2946 E MAIN ST

BRIDGEPORT, WV

US 26330

Contact: JESSE WILBURN

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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)