



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[16W16494]

Machine Id

JOHN DEERE 853M 1T0853MXELL389635

Component

Right Swing Drive Gear Case

Fluid

JOHN DEERE GL-5 80W90 (5 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16494)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217351	JR0173579	JR0154086
Sample Date		Client Info		24 Jun 2024	16 Jun 2023	28 Jan 2023
Machine Age	hrs	Client Info		5812	4282	3737
Oil Age	hrs	Client Info		1530	1069	524
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				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		28	22	35
Iron	ppm	ASTM D5185m	>200	64	57	56
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		3	<1	0
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		9	6	4
Tin	ppm	ASTM D5185m		<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

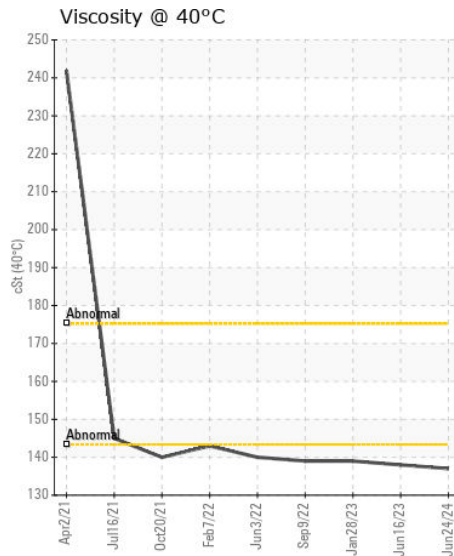
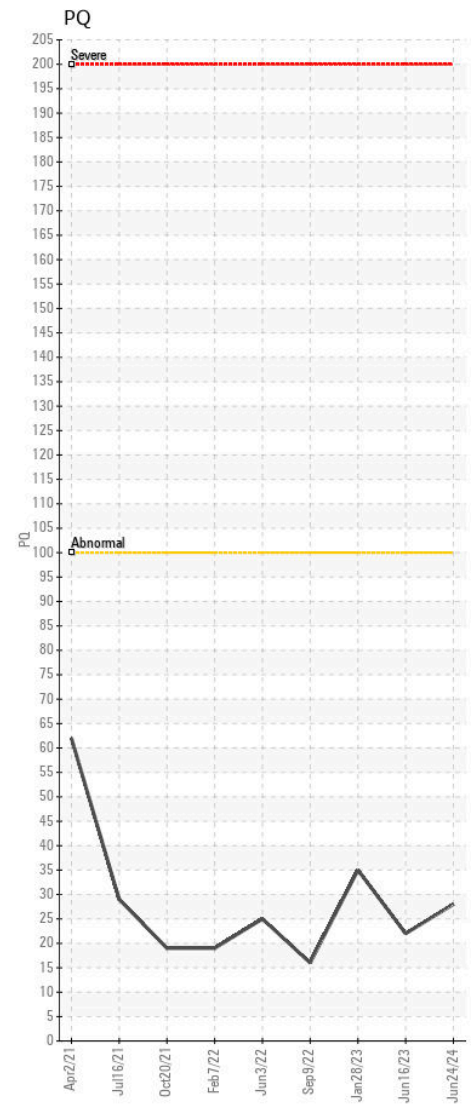
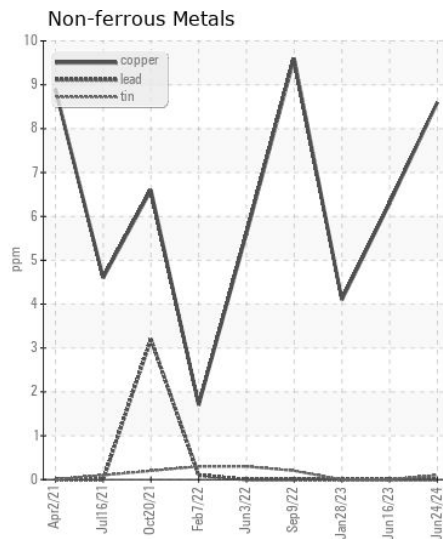
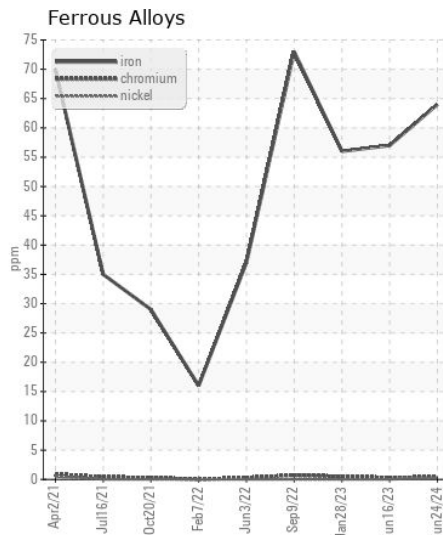
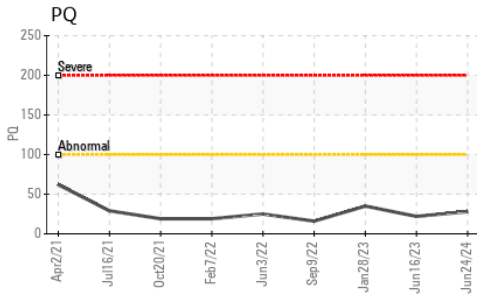
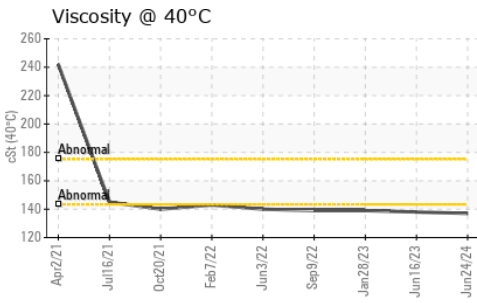
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	<1	0
Boron	ppm	ASTM D5185m		2	1	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		5	2	1
Calcium	ppm	ASTM D5185m		4	31	6
Phosphorus	ppm	ASTM D5185m		335	316	319
Zinc	ppm	ASTM D5185m		14	1	0
Sulfur	ppm	ASTM D5185m		21093	20393	20447
Visc @ 40°C	cSt	ASTM D445		137	138	139



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217351 **Received** : 27 Jun 2024
Lab Number : 06222571 **Tested** : 28 Jun 2024
Unique Number : 11100768 **Diagnosed** : 29 Jun 2024 - Don Baldrige
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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