



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W68059]
 Machine Id
JOHN DEERE 470 P 1FF470PAJNF000028
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W68059)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0219727	JR0205429	JR0192600
Sample Date		Client Info		20 Jun 2024	22 Mar 2024	15 Nov 2023
Machine Age	hrs	Client Info		2539	2048	1582
Oil Age	hrs	Client Info		491	2048	1582
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	21	142	8
Iron	ppm	ASTM D5185m	>750	7	395	0
Chromium	ppm	ASTM D5185m	>9	<1	5	0
Nickel	ppm	ASTM D5185m	>10	<1	1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	3	7	0
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	<1	1	0
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

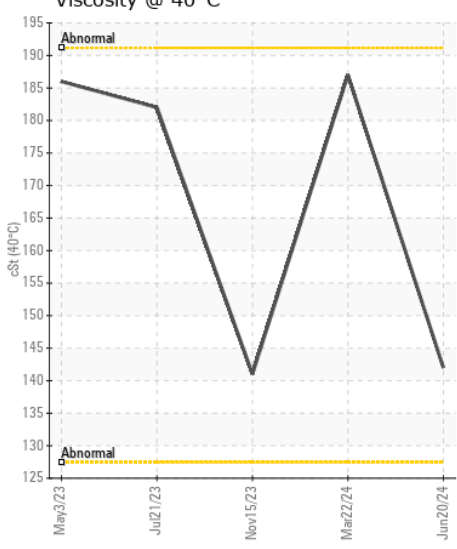
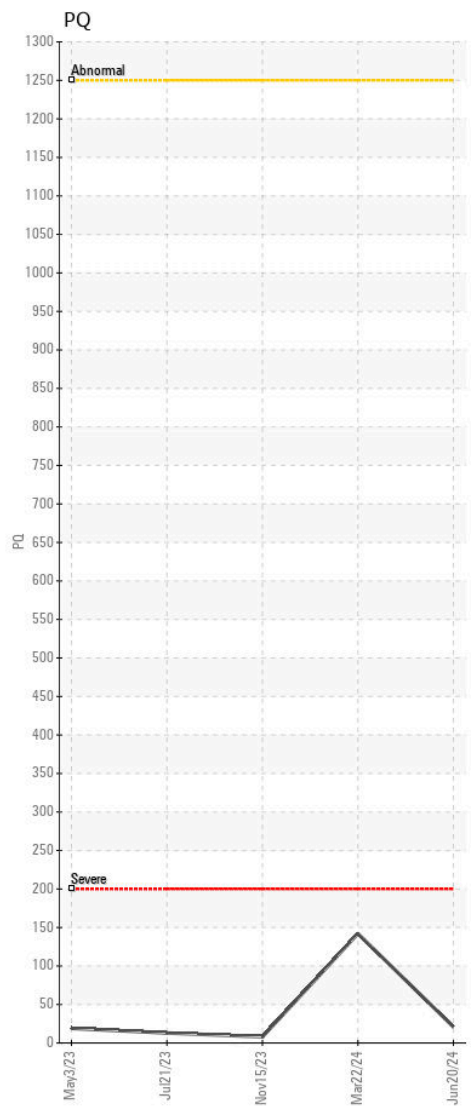
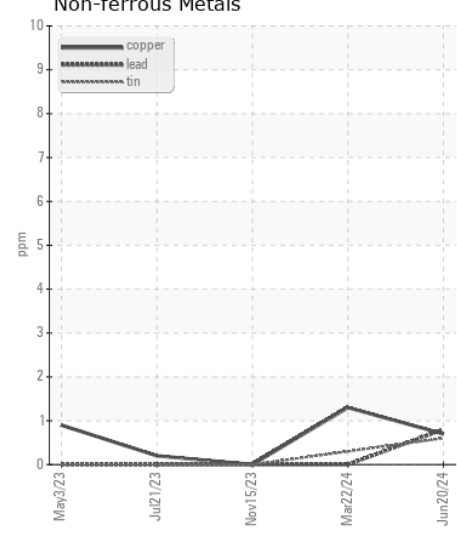
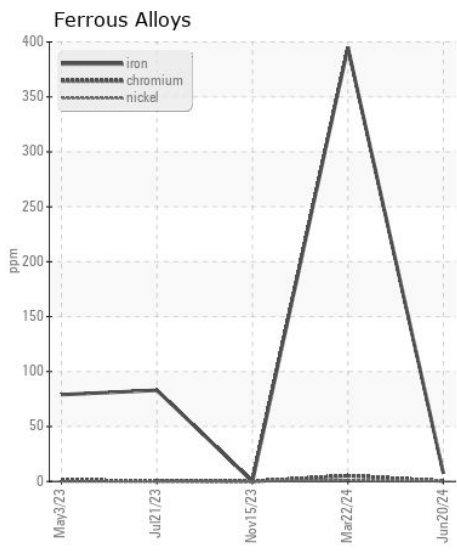
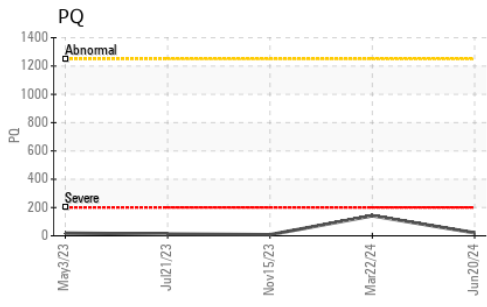
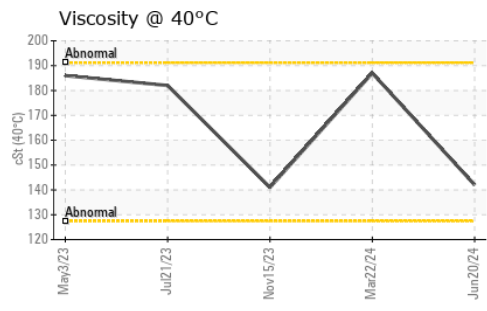
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	5	23	<1
Potassium	ppm	ASTM D5185m	>20	1	13	0
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	3	1
Boron	ppm	ASTM D5185m		2	38	2
Barium	ppm	ASTM D5185m		1	8	0
Molybdenum	ppm	ASTM D5185m		2	0	<1
Manganese	ppm	ASTM D5185m		<1	9	0
Magnesium	ppm	ASTM D5185m		4	1	<1
Calcium	ppm	ASTM D5185m		8	15	7
Phosphorus	ppm	ASTM D5185m		319	530	301
Zinc	ppm	ASTM D5185m		8	44	4
Sulfur	ppm	ASTM D5185m		19315	18228	18442
Visc @ 40°C	cSt	ASTM D445		142	187	141



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0219727 **Received** : 24 Jun 2024
Lab Number : 06218520 **Tested** : 25 Jun 2024
Unique Number : 11096717 **Diagnosed** : 26 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

CARLTON'S BACKHOE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: LEO

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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