



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W68228]

Machine Id
JOHN DEERE 470 P 1FF470PAPPF000353

Component
Right Final Drive

Fluid
GEAR OIL SAE 80W90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W68226)

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

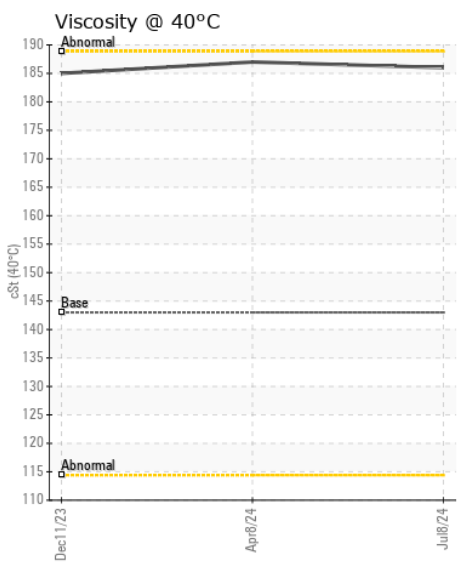
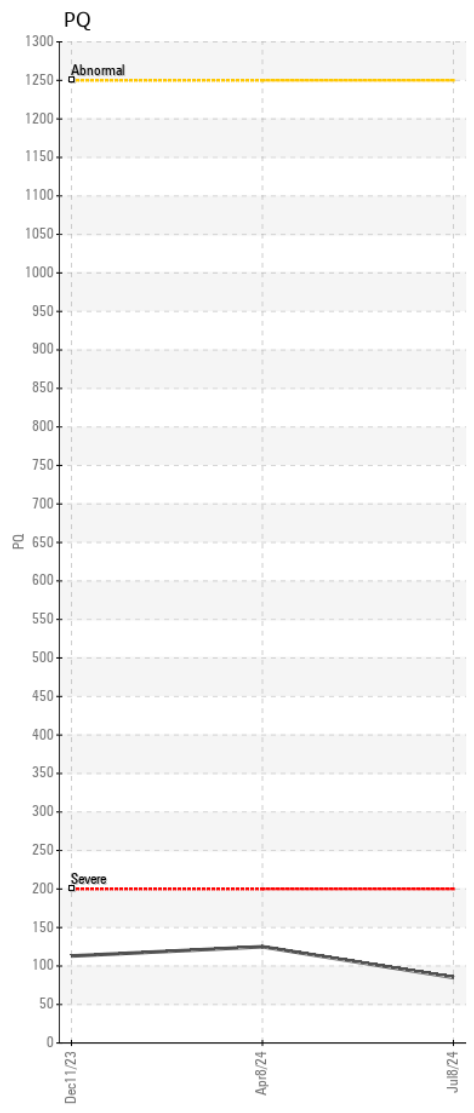
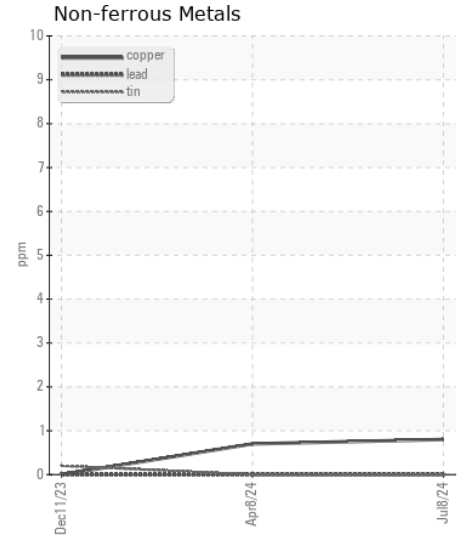
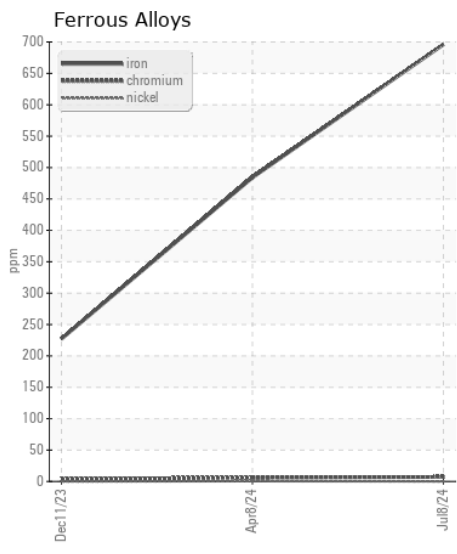
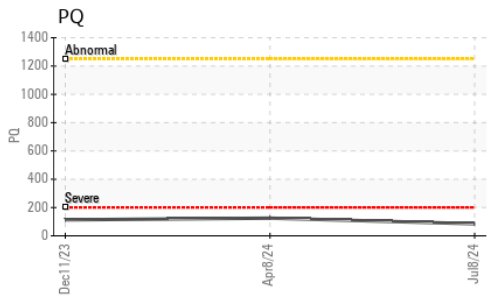
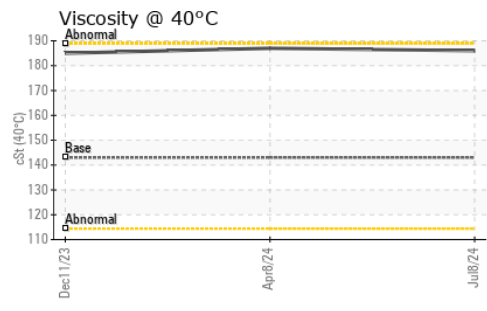
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220074	JR0206399	JR0188524
Sample Date		Client Info		08 Jul 2024	08 Apr 2024	11 Dec 2023
Machine Age	hrs	Client Info		1553	1015	560
Oil Age	hrs	Client Info		1553	560	560
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

PQ		ASTM D8184	>1250	85	125	113
Iron	ppm	ASTM D5185m	>750	696	484	227
Chromium	ppm	ASTM D5185m	>9	7	6	4
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	3	3	<1
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	<1	0
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	20	17	11
Potassium	ppm	ASTM D5185m	>20	19	17	12
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	LIGHT
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

Sodium	ppm	ASTM D5185m	>170	3	1	<1
Boron	ppm	ASTM D5185m	400	43	48	44
Barium	ppm	ASTM D5185m	200	8	9	0
Molybdenum	ppm	ASTM D5185m	12	0	0	0
Manganese	ppm	ASTM D5185m		15	13	9
Magnesium	ppm	ASTM D5185m	12	2	0	0
Calcium	ppm	ASTM D5185m	150	5	7	0
Phosphorus	ppm	ASTM D5185m	1650	492	520	462
Zinc	ppm	ASTM D5185m	125	28	23	16
Sulfur	ppm	ASTM D5185m	22500	15887	17467	14855
Visc @ 40°C	cSt	ASTM D445	143	186	187	185



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220074 **Received** : 10 Jul 2024
Lab Number : 06232526 **Tested** : 11 Jul 2024
Unique Number : 11116019 **Diagnosed** : 12 Jul 2024 - Don Baldridge
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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