



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W68716]

Machine Id
JOHN DEERE 410P 5477 (S/N 1DW410PALPFB06972)

Component
Rear Differential

Fluid
JOHN DEERE HY-GARD HYD/TRANS (18 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W68716)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220193	JR0206789	JR0192963
Sample Date		Client Info		08 Jul 2024	10 Apr 2024	01 Dec 2023
Machine Age	hrs	Client Info		1516	1051	558
Oil Age	hrs	Client Info		1516	1051	558
Filter Age	hrs	Client Info		0	0	558
Oil Changed		Client Info		Not Changed	Not Changed	N/A
Filter Changed		Client Info		Not Changed	Not Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		20	19	24
Iron	ppm	ASTM D5185m	>500	39	27	25
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>25	10	0	0
Copper	ppm	ASTM D5185m	>100	11	5	4
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

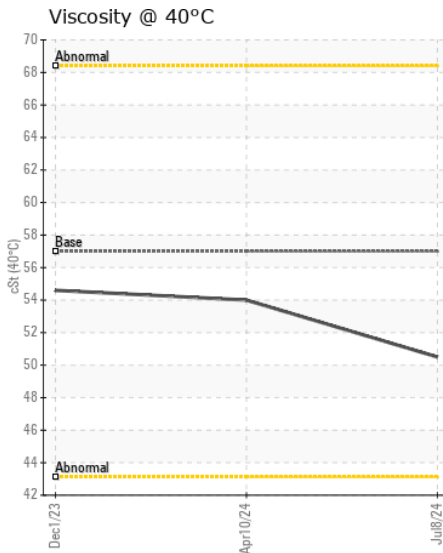
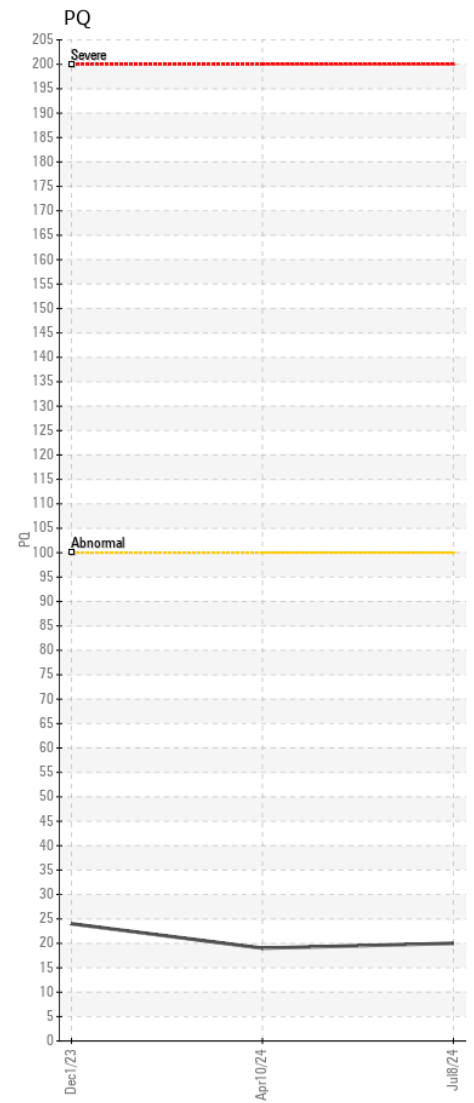
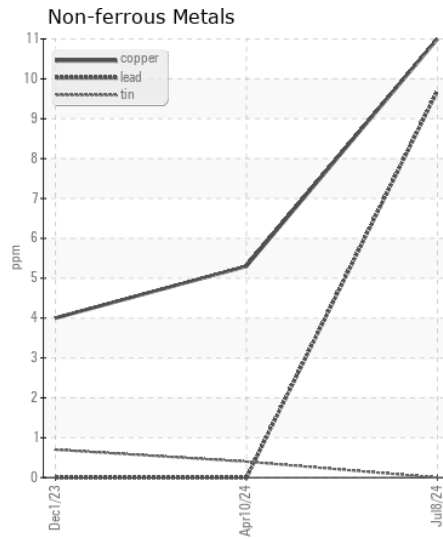
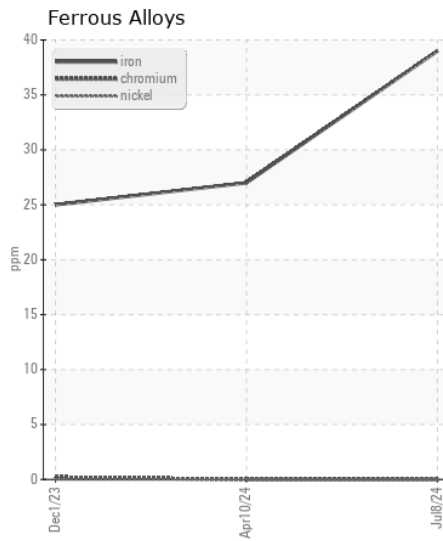
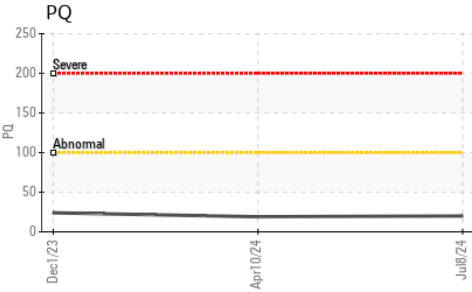
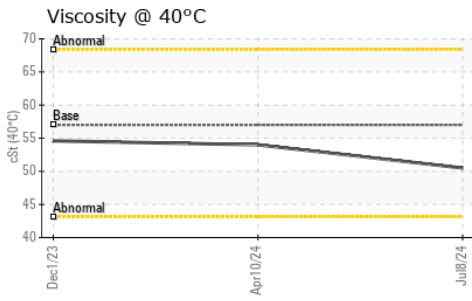
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	4	4
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water		WC Method	>.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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	5	4
Boron	ppm	ASTM D5185m	6	0	5	<1
Barium	ppm	ASTM D5185m	0	5	3	3
Molybdenum	ppm	ASTM D5185m	0	0	<1	0
Manganese	ppm	ASTM D5185m		1	3	3
Magnesium	ppm	ASTM D5185m	145	94	101	98
Calcium	ppm	ASTM D5185m	3570	3399	3546	3324
Phosphorus	ppm	ASTM D5185m	1290	1018	1066	994
Zinc	ppm	ASTM D5185m	1640	1158	1253	1183
Sulfur	ppm	ASTM D5185m		3911	4570	3253
Visc @ 40°C	cSt	ASTM D445	57.0	50.5	54.0	54.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220193 **Received** : 15 Jul 2024
Lab Number : 06236325 **Tested** : 16 Jul 2024
Unique Number : 11125159 **Diagnosed** : 16 Jul 2024 - Sean Felton
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)

CK CONTRACTING
 124-1 WOODING PL
 KINGS MOUNTAIN, NC
 US 28086
 Contact: TAM WRIGHT
 twright@ckcdllc.com
 T: (704)730-9948
 F: (704)730-9975