



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[47134]

Machine Id
JOHN DEERE 672GP 1DW672GPCMF712941

Component
Rear Differential

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218580	JR0190390	JR0166494
Sample Date		Client Info		19 Jun 2024	04 Oct 2023	05 Apr 2023
Machine Age	hrs	Client Info		1961	975	946
Oil Age	hrs	Client Info		1961	975	946
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		48	14	44
Iron	ppm	ASTM D5185m	>1501	166	163	132
Chromium	ppm	ASTM D5185m	>11	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	<1	0
Aluminum	ppm	ASTM D5185m	>21	<1	0	2
Lead	ppm	ASTM D5185m	>51	12	12	10
Copper	ppm	ASTM D5185m	>101	79	84	60
Tin	ppm	ASTM D5185m	>10	6	6	3
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

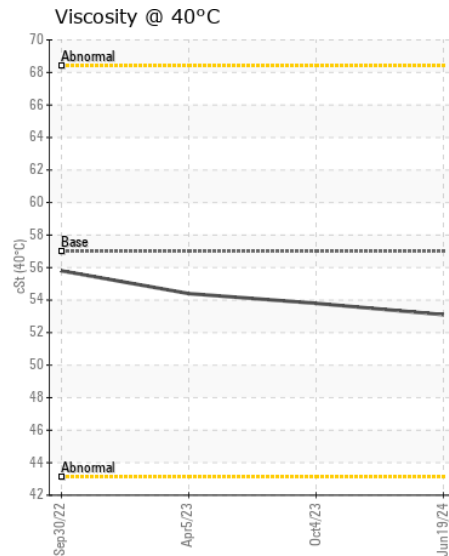
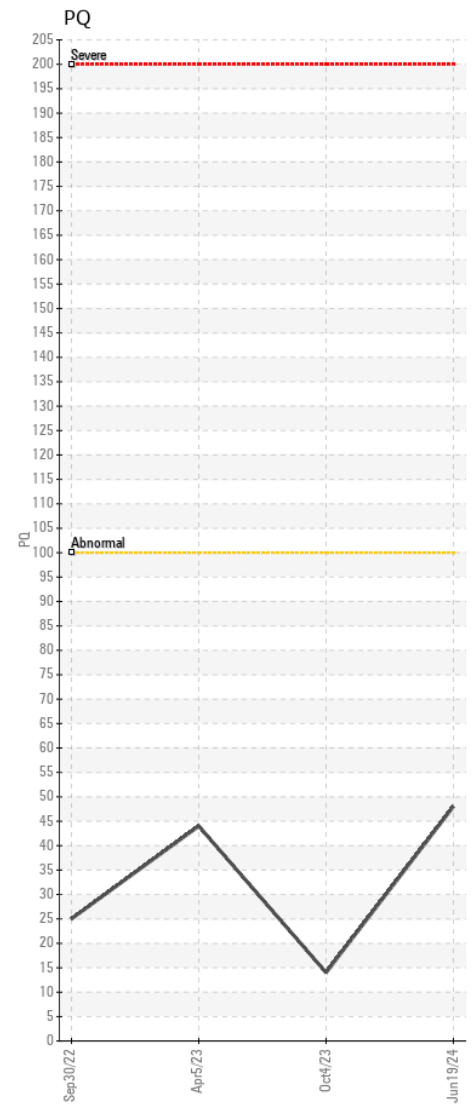
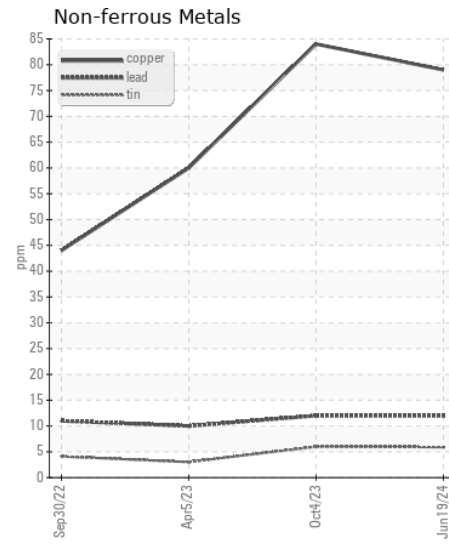
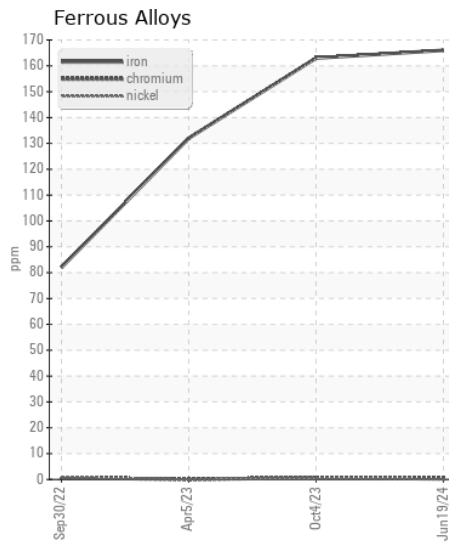
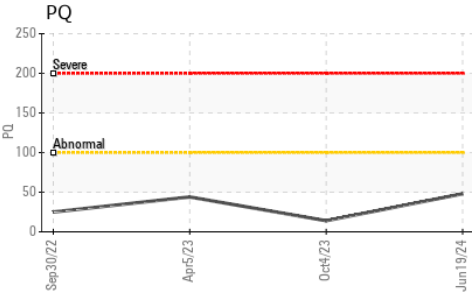
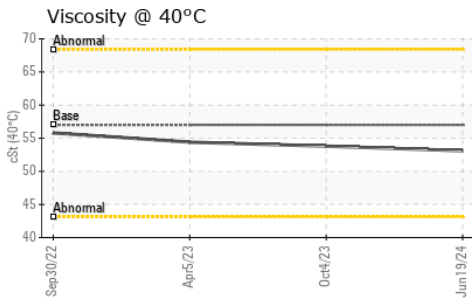
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	4	4	5
Potassium	ppm	ASTM D5185m	>20	0	2	0
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	<1	<1
Boron	ppm	ASTM D5185m	6	1	0	<1
Barium	ppm	ASTM D5185m	0	2	1	0
Molybdenum	ppm	ASTM D5185m	0	<1	1	1
Manganese	ppm	ASTM D5185m		3	3	2
Magnesium	ppm	ASTM D5185m	145	95	101	103
Calcium	ppm	ASTM D5185m	3570	3248	3442	3387
Phosphorus	ppm	ASTM D5185m	1290	1045	1108	1071
Zinc	ppm	ASTM D5185m	1640	1208	1303	1232
Sulfur	ppm	ASTM D5185m		4018	3917	3720
Visc @ 40°C	cSt	ASTM D445	57.0	53.1	53.8	54.4



Certificate L2367

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

Sample No. : JR0218580

Lab Number : 06216017

Unique Number : 11088881

Test Package : CONST (Additional Tests: PQ)

Received : 20 Jun 2024

Tested : 22 Jun 2024

Diagnosed : 22 Jun 2024 - Wes Davis

JRE - MANASSAS PARK

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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)