



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 460P 1DW460PAAPFB06454
 Component
Front 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		JR0212428	JR0209586	JR0197637
Sample Date		Client Info		24 Apr 2024	26 Mar 2024	16 Jan 2024
Machine Age	hrs	Client Info		1988	1870	1479
Oil Age	hrs	Client Info		1988	1870	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		21	15	16
Iron	ppm	ASTM D5185m	>500	14	32	9
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	2	<1
Lead	ppm	ASTM D5185m	>25	5	14	4
Copper	ppm	ASTM D5185m	>100	12	5	2
Tin	ppm	ASTM D5185m	>10	2	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

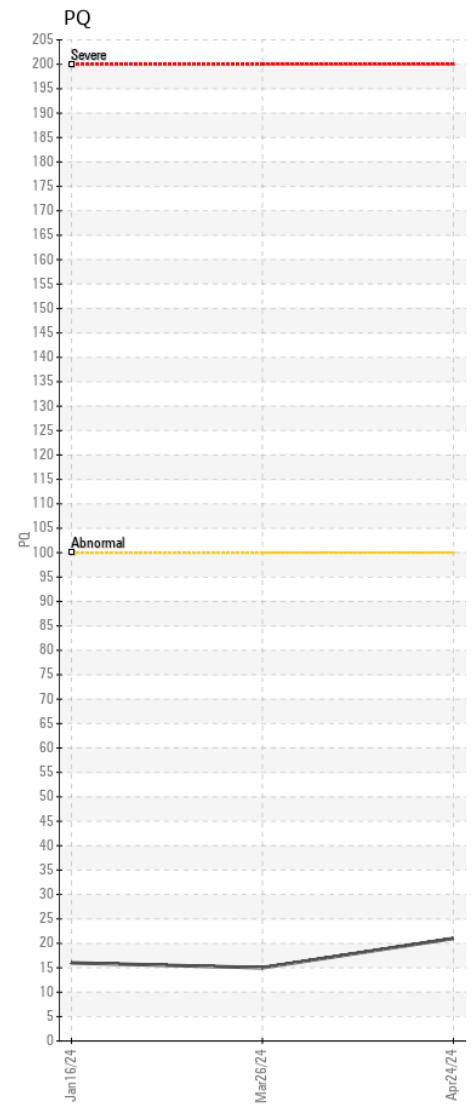
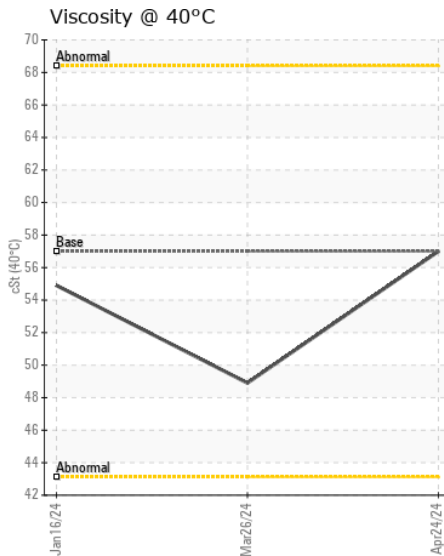
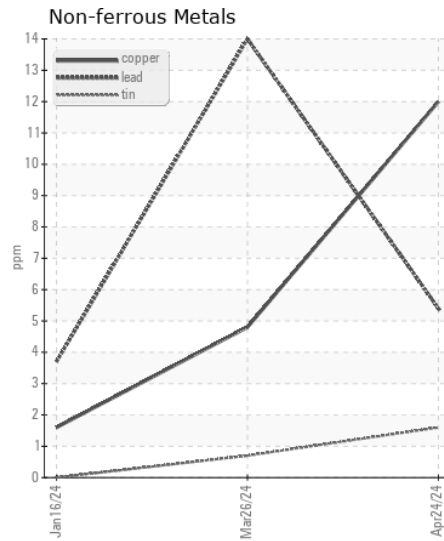
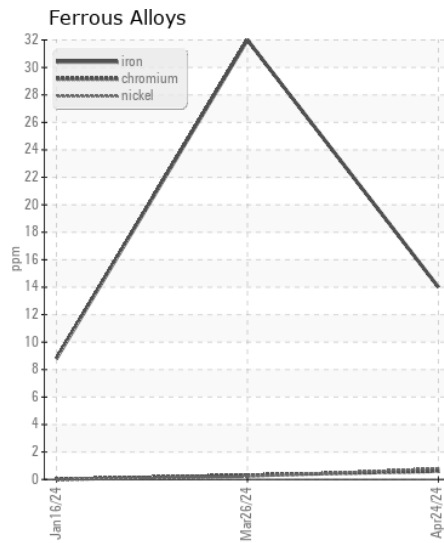
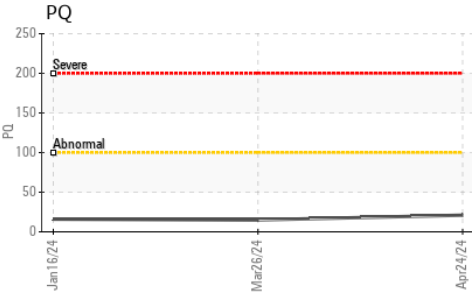
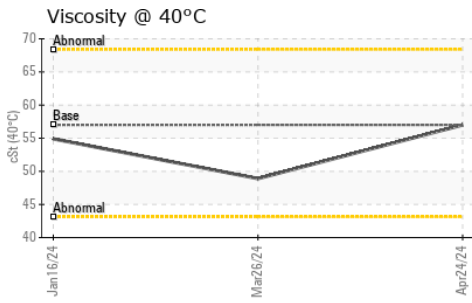
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	5	5
Potassium	ppm	ASTM D5185m	>20	2	4	<1
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		2	3	3
Boron	ppm	ASTM D5185m	6	<1	4	1
Barium	ppm	ASTM D5185m	0	0	2	<1
Molybdenum	ppm	ASTM D5185m	0	2	4	1
Manganese	ppm	ASTM D5185m		1	2	<1
Magnesium	ppm	ASTM D5185m	145	100	100	103
Calcium	ppm	ASTM D5185m	3570	3404	3555	3431
Phosphorus	ppm	ASTM D5185m	1290	1117	1084	1063
Zinc	ppm	ASTM D5185m	1640	1260	1277	1196
Sulfur	ppm	ASTM D5185m		4318	3867	3687
Visc @ 40°C	cSt	ASTM D445	57.0	57.0	48.9	54.9



Certificate L2367

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

Sample No. : JR0212428

Lab Number : 06160623

Unique Number : 10996046

Test Package : CONST (Additional Tests: PQ)

Received : 25 Apr 2024

Tested : 26 Apr 2024

Diagnosed : 27 Apr 2024 - Don Baldrige

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)

JRE - GARNER

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