



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 450J T0450JX156983
Component
Right Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (3 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0194479	JR0099927	JRMC465101
Sample Date		Client Info		10 Jan 2024	10 Oct 2021	25 Mar 2019
Machine Age	hrs	Client Info		63785	5781	4808
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	21	21	25
Iron	ppm	ASTM D5185m	>750	11	14	27
Chromium	ppm	ASTM D5185m	>9	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>40	<1	2	4
Lead	ppm	ASTM D5185m	>15	<1	<1	<1
Copper	ppm	ASTM D5185m	>40	0	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

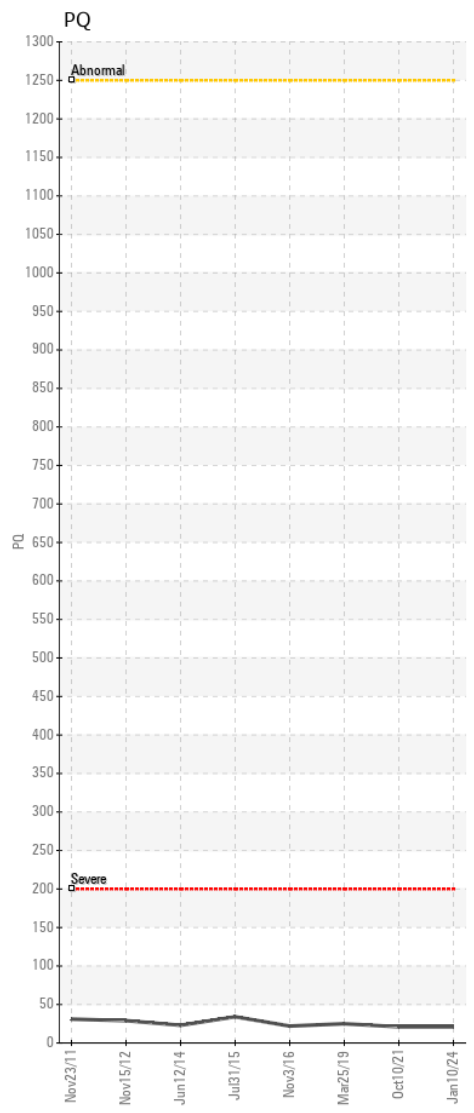
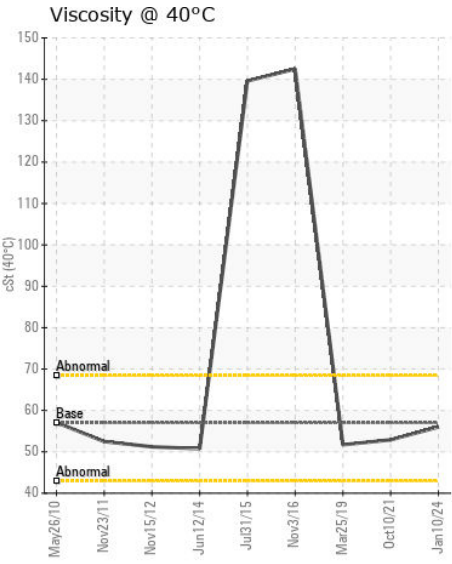
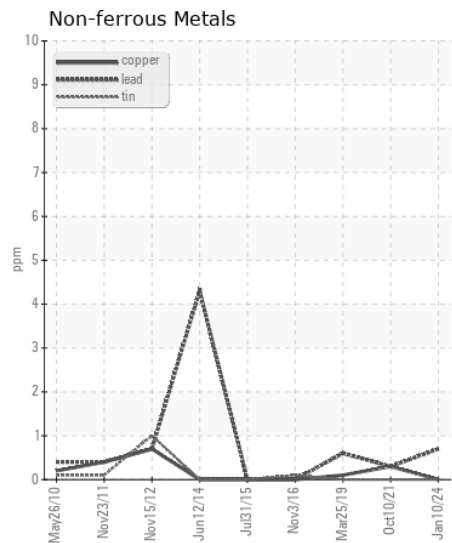
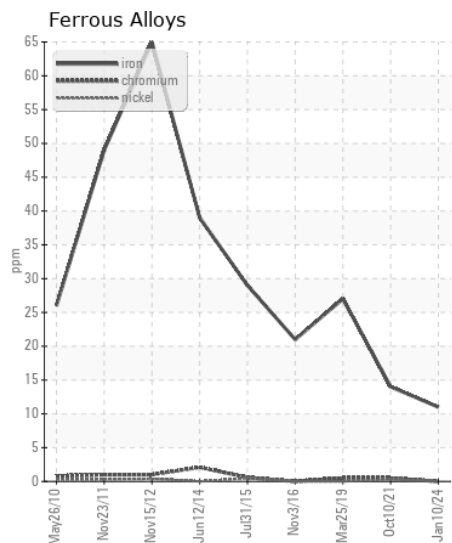
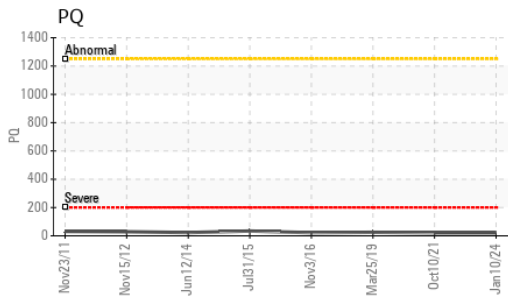
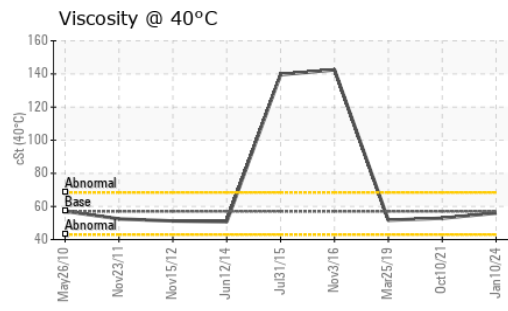
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>75	5	10	14
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ HEAVY
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	1	3	0
Boron	ppm	ASTM D5185m	6	52	30	12
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	45	24	7
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	145	228	165	99
Calcium	ppm	ASTM D5185m	3570	2882	3210	3290
Phosphorus	ppm	ASTM D5185m	1290	905	690	917
Zinc	ppm	ASTM D5185m	1640	1227	1266	1193
Sulfur	ppm	ASTM D5185m		3454	5352	3638
Visc @ 40°C	cSt	ASTM D445	57.0	56.0	52.9	51.7



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0194479 **Received** : 11 Jan 2024
Lab Number : 06058351 **Diagnosed** : 12 Jan 2024
Unique Number : 10829733 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: PQ)

HENNINGS CONSTRUCTION
 10011 NC HWY 67
 EAST BEND, NC
 US 27018
 Contact: SERVICE MANAGER

Certificate L2367
 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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