



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[05W46266]

Machine Id
JOHN DEERE 700L 1T0700LXVNF420842

Component
Right Final Drive

Fluid
JOHN DEERE HY-GARD HYD/TRANS (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214749	JR0199257	JR0187543
Sample Date		Client Info		19 Apr 2024	26 Jan 2024	09 Oct 2023
Machine Age	hrs	Client Info		2950	2446	1945
Oil Age	hrs	Client Info		1000	501	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	None	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	59	64	76
Iron	ppm	ASTM D5185m	>750	139	98	144
Chromium	ppm	ASTM D5185m	>9	2	2	3
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	10	9	0
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	2	3	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<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.

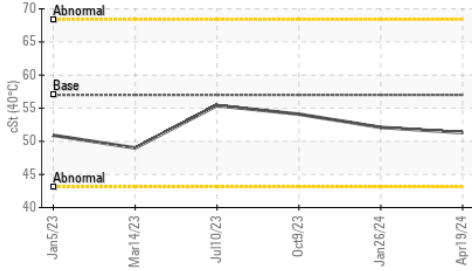
Silicon	ppm	ASTM D5185m	>75	46	28	26
Potassium	ppm	ASTM D5185m	>20	0	2	4
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

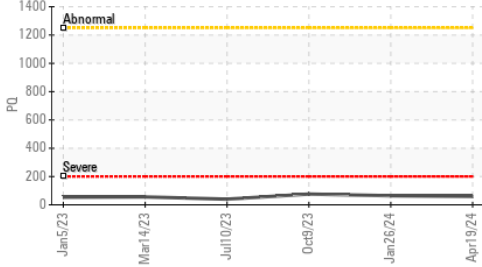
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	3	1	0
Boron	ppm	ASTM D5185m	6	7	6	5
Barium	ppm	ASTM D5185m	0	1	0	0
Molybdenum	ppm	ASTM D5185m	0	6	4	4
Manganese	ppm	ASTM D5185m		3	2	3
Magnesium	ppm	ASTM D5185m	145	118	120	106
Calcium	ppm	ASTM D5185m	3570	3356	3276	3389
Phosphorus	ppm	ASTM D5185m	1290	1048	1037	1028
Zinc	ppm	ASTM D5185m	1640	1198	1224	1214
Sulfur	ppm	ASTM D5185m		4414	3408	4353
Visc @ 40°C	cSt	ASTM D445	57.0	51.3	52.1	54.1

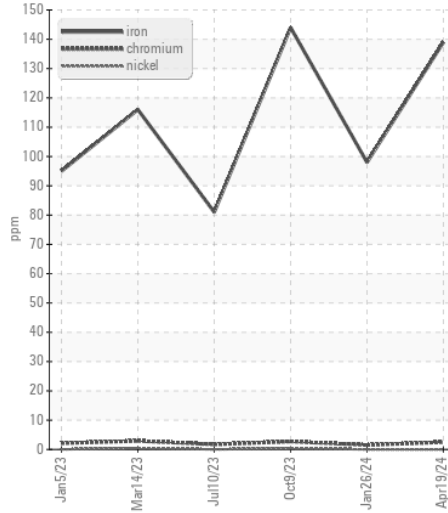
Viscosity @ 40°C



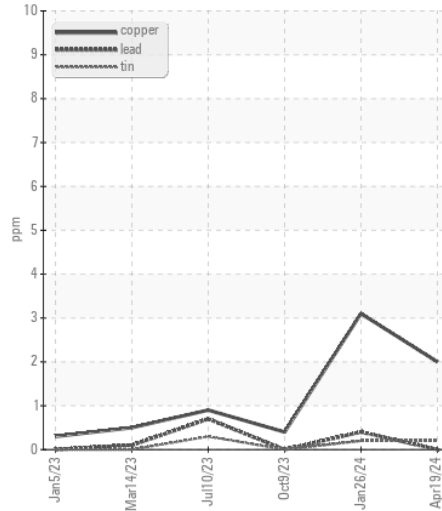
PQ



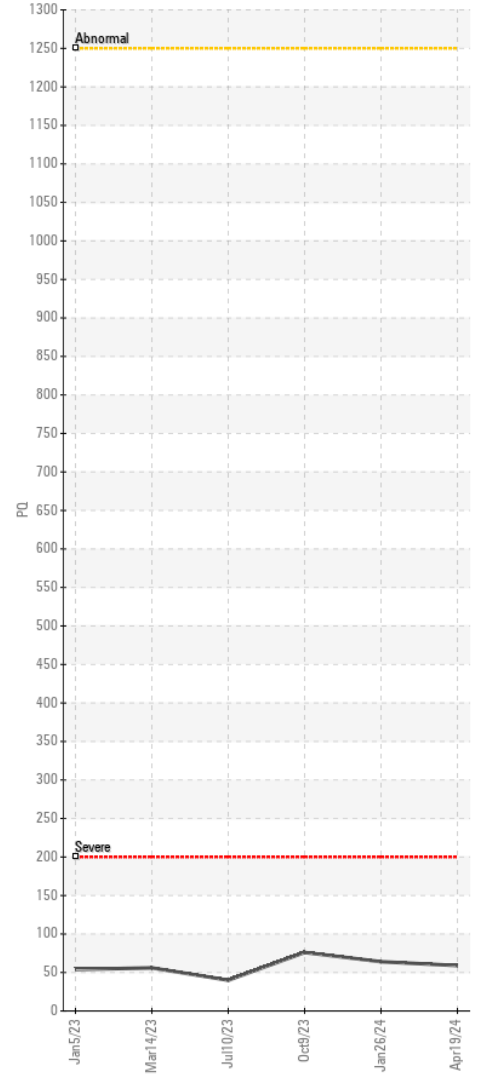
Ferrous Alloys



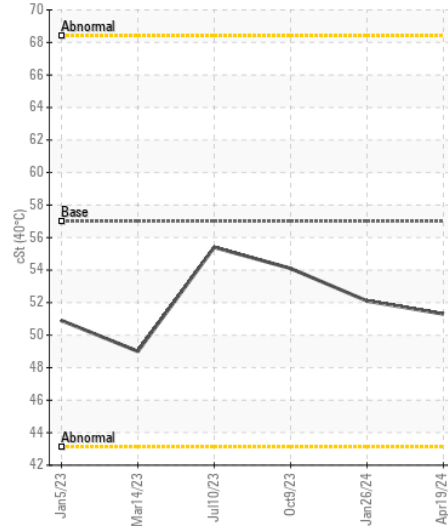
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214749 **Received** : 22 Apr 2024
Lab Number : 06156246 **Tested** : 23 Apr 2024
Unique Number : 10991669 **Diagnosed** : 23 Apr 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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)