



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 700K LX2 (S/N 1T0700KXLJF334543)

Component
Left Final Drive

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		JR0200899	JR0154859	JR0123688
Sample Date		Client Info		11 Jan 2024	31 Jan 2023	28 Mar 2022
Machine Age	hrs	Client Info		396	289	158
Oil Age	hrs	Client Info		396	289	158
Filter Age	hrs	Client Info		396	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		40	36	35
Iron	ppm	ASTM D5185m	>500	119	109	113
Chromium	ppm	ASTM D5185m	>10	2	2	2
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	1	1	<1
Lead	ppm	ASTM D5185m	>25	<1	1	1
Copper	ppm	ASTM D5185m	>50	2	<1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

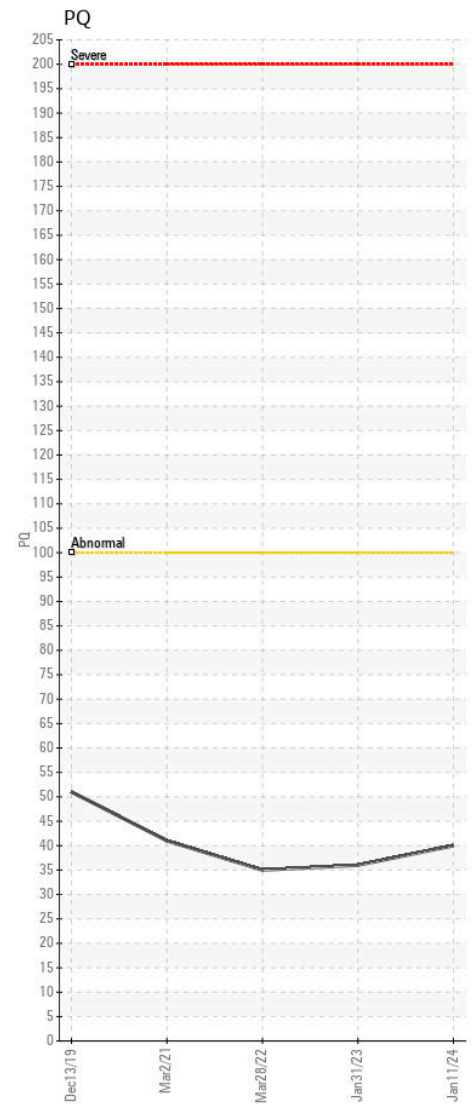
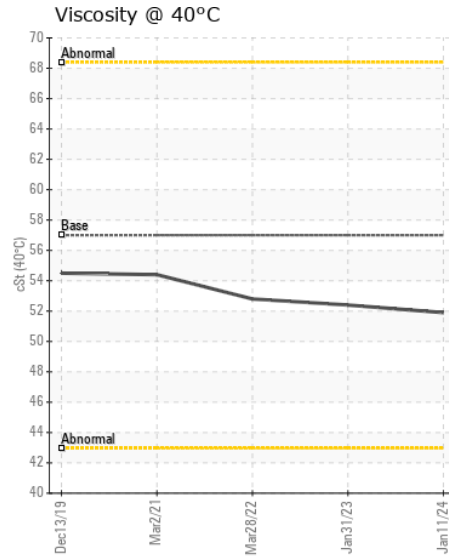
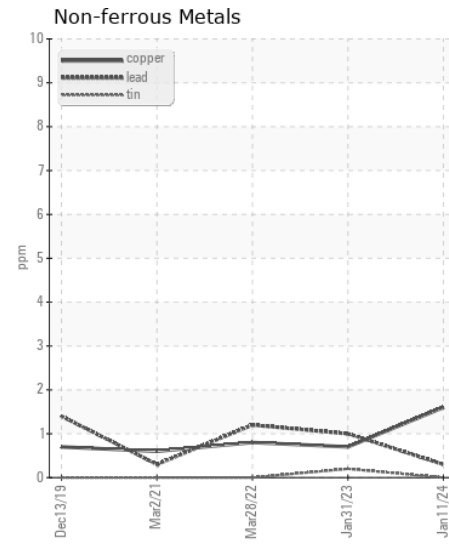
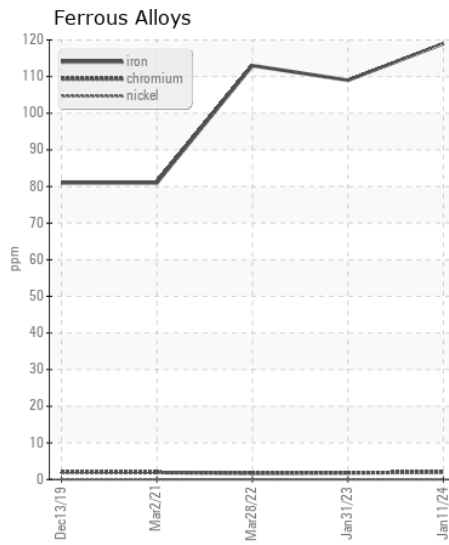
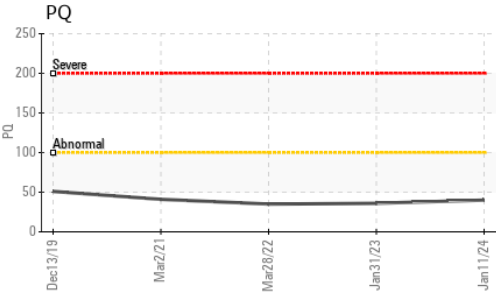
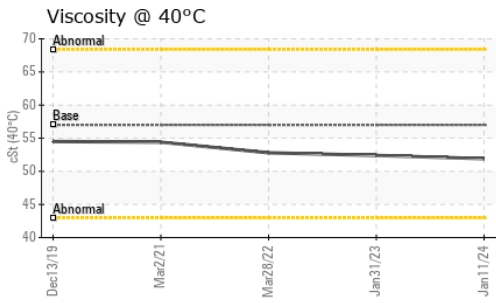
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	27	26	21
Potassium	ppm	ASTM D5185m	>20	17	14	19
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	5	4
Boron	ppm	ASTM D5185m	6	0	0	7
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	2	2
Manganese	ppm	ASTM D5185m		5	4	4
Magnesium	ppm	ASTM D5185m	145	100	90	92
Calcium	ppm	ASTM D5185m	3570	3337	3295	3454
Phosphorus	ppm	ASTM D5185m	1290	1030	951	1057
Zinc	ppm	ASTM D5185m	1640	1258	1114	1242
Sulfur	ppm	ASTM D5185m		3466	4092	2969
Visc @ 40°C	cSt	ASTM D445	57.0	51.9	52.4	52.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0200899 **Received** : 16 Jan 2024
Lab Number : 06061421 **Diagnosed** : 17 Jan 2024
Unique Number : 10832803 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - NEW BERN
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 NEW BERN, NC
 US 28562
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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)