



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION

ABNORMAL

NORMAL



Machine Id
JOHN DEERE 700K 1T0700KXLHF313766
Component
Rear Left Final Drive
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206544	JR0086880	JRMC469057
Sample Date		Client Info		29 Feb 2024	10 May 2021	11 Mar 2019
Machine Age	hrs	Client Info		5810	3038	1000
Oil Age	hrs	Client Info		2772	0	1000
Filter Age	hrs	Client Info		2772	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	209	72	71
Iron	ppm	ASTM D5185m	>750	181	64	196
Chromium	ppm	ASTM D5185m	>9	1	<1	5
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		2	<1	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	34	1	6
Lead	ppm	ASTM D5185m	>15	<1	<1	0
Copper	ppm	ASTM D5185m	>40	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

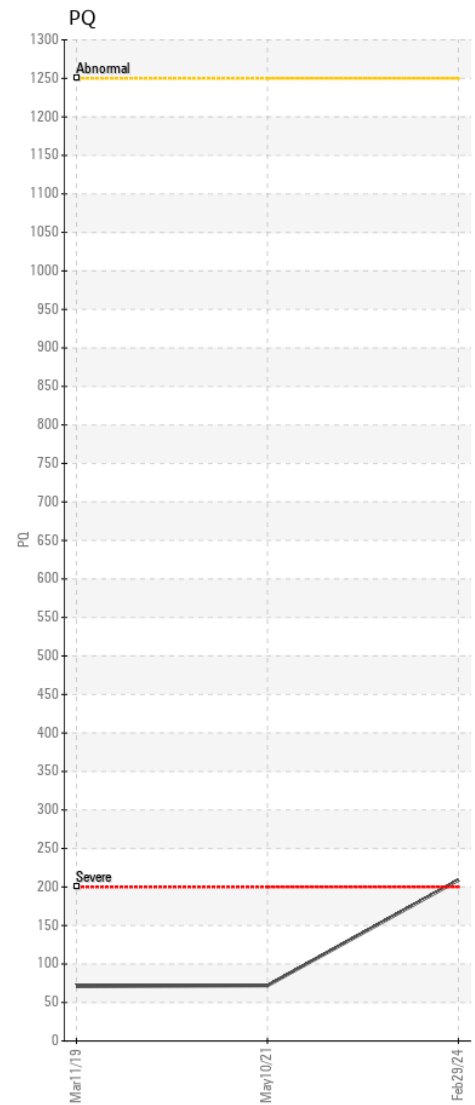
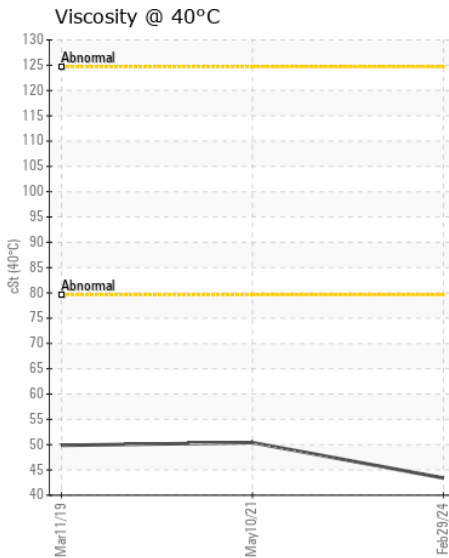
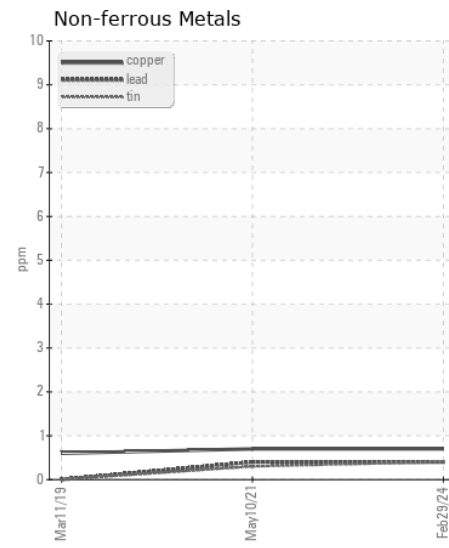
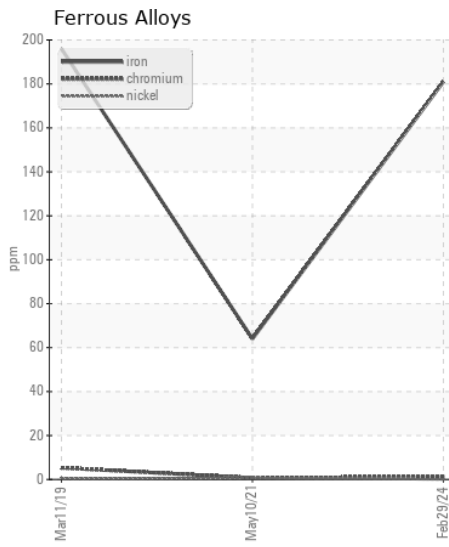
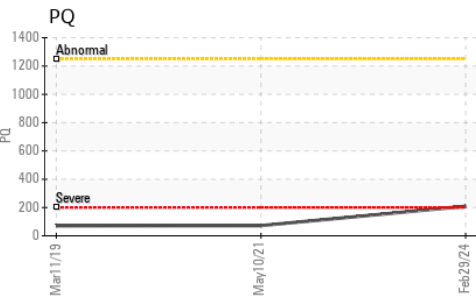
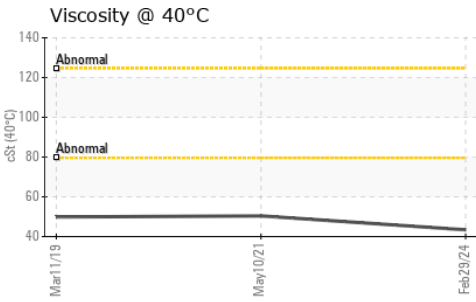
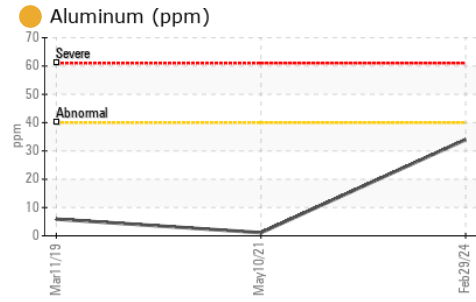
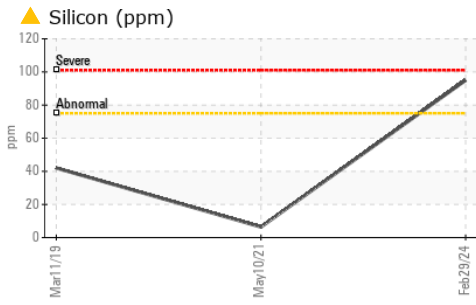
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	95	6	42
Potassium	ppm	ASTM D5185m	>20	6	1	15
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	2	2	5
Boron	ppm	ASTM D5185m		0	7	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	3
Manganese	ppm	ASTM D5185m		2	<1	5
Magnesium	ppm	ASTM D5185m		15	103	100
Calcium	ppm	ASTM D5185m		3002	3701	3728
Phosphorus	ppm	ASTM D5185m		1109	1027	1071
Zinc	ppm	ASTM D5185m		1298	1249	1270
Sulfur	ppm	ASTM D5185m		3160	3035	3437
Visc @ 40°C	cSt	ASTM D445		43.4	50.4	49.86



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206544 **Received** : 01 Mar 2024
Lab Number : 06106396 **Tested** : 04 Mar 2024
Unique Number : 10909893 **Diagnosed** : 05 Mar 2024 - Jonathan Hester
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)