



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 724K 1DW724KHJJF690939
Component
Hydraulic System
Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221268	JR0184985	JR0169201
Sample Date		Client Info		02 Jul 2024	12 Sep 2023	18 May 2023
Machine Age	hrs	Client Info		5335	4907	4108
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	18	19	16
Iron	ppm	ASTM D5185m	>71	5	8	16
Chromium	ppm	ASTM D5185m	>11	2	3	9
Nickel	ppm	ASTM D5185m	>6	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>11	<1	5	3
Lead	ppm	ASTM D5185m	>13	0	0	0
Copper	ppm	ASTM D5185m	>21	<1	2	4
Tin	ppm	ASTM D5185m	>5	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

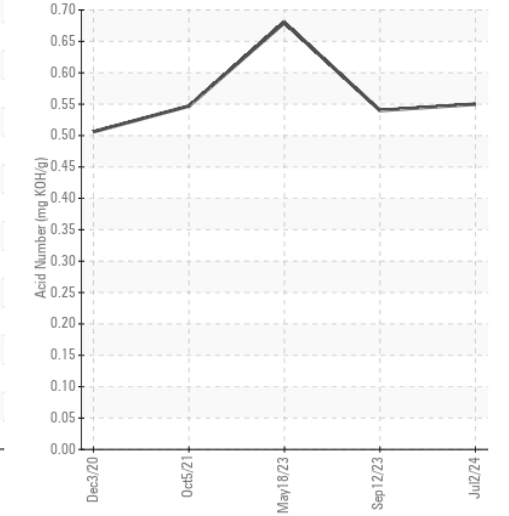
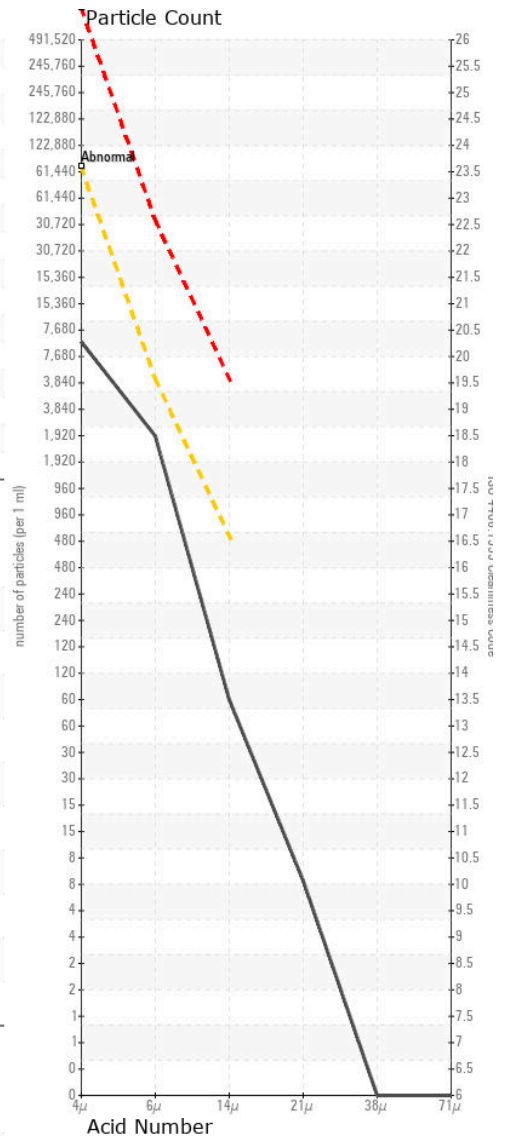
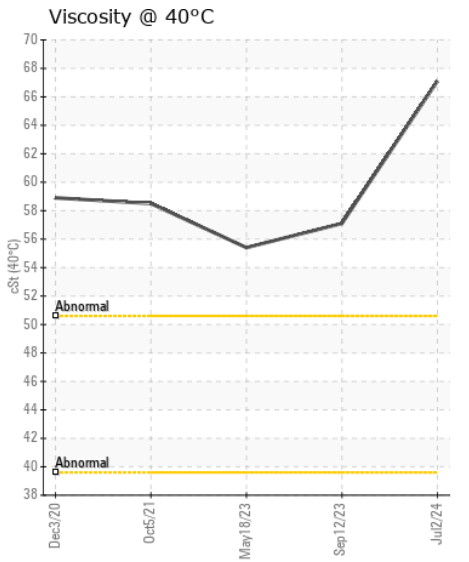
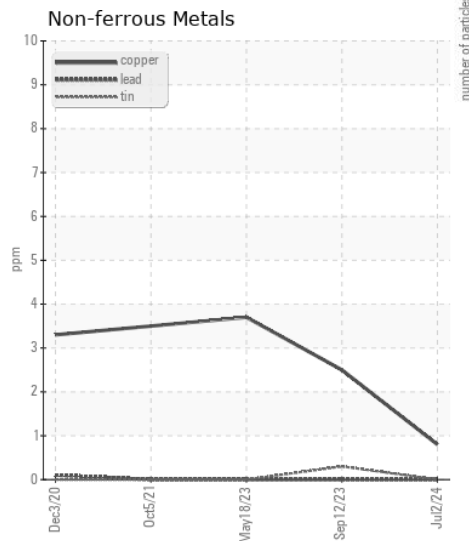
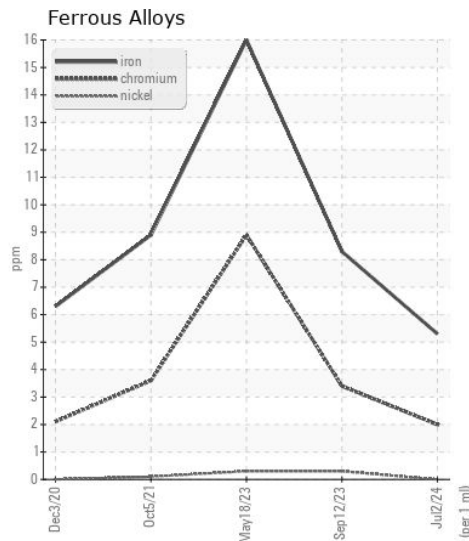
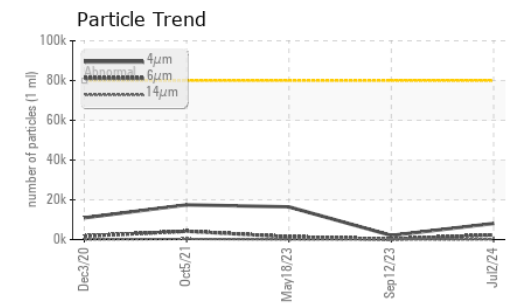
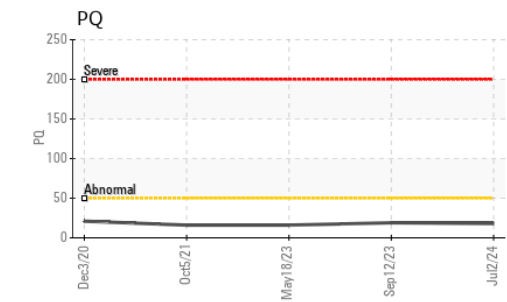
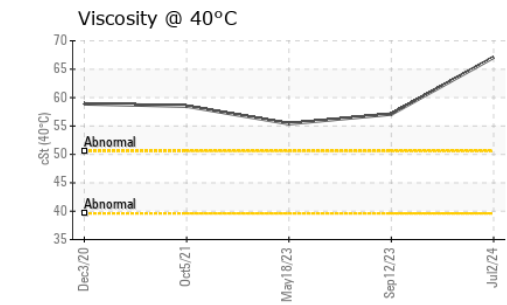
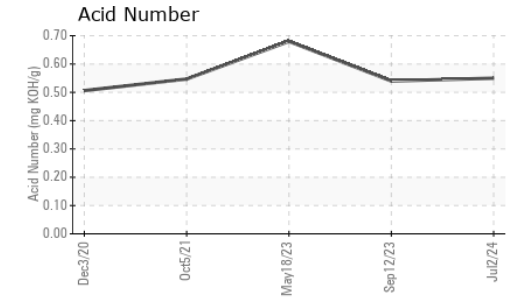
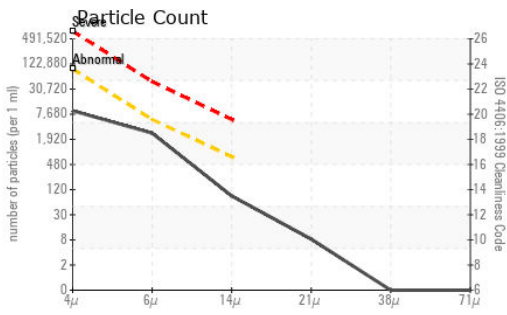
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>24	3	2	3
Potassium	ppm	ASTM D5185m	>20	0	1	3
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	8100	2069	16443
Particles >6µm		ASTM D7647	>5000	2360	196	1402
Particles >14µm		ASTM D7647	>640	75	13	67
Particles >21µm		ASTM D7647	>160	7	4	13
Particles >38µm		ASTM D7647	>40	0	0	1
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	20/18/13	18/15/11	21/18/13
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	2	3	5
Boron	ppm	ASTM D5185m		2	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	0	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		25	1	10
Calcium	ppm	ASTM D5185m		838	85	91
Phosphorus	ppm	ASTM D5185m		668	657	586
Zinc	ppm	ASTM D5185m		822	869	816
Sulfur	ppm	ASTM D5185m		2337	2018	1718
Acid Number (AN)	mg KOH/g	ASTM D8045		0.55	0.54	0.68
Visc @ 40°C	cSt	ASTM D445		67.1	57.1	55.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221268 **Received** : 08 Jul 2024
Lab Number : 06230047 **Tested** : 09 Jul 2024
Unique Number : 11113540 **Diagnosed** : 09 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

W&L CONSTRUCTION AND PAVING
 DRAWER 927
 CHILHOWIE, VA
 US 24319
 Contact: TRAVIS LEWIS

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)

T: (276)646-3804

F: