



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1DW768LBHMF712696

Component
Hydraulic System

Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JRMC398478	JR0171872	JR0155319
Sample Date		Client Info		04 Jan 2024	26 Jun 2023	18 Jan 2023
Machine Age	hrs	Client Info		2542	1984	1505
Oil Age	hrs	Client Info		1000	1984	500
Filter Age	hrs	Client Info		500	1984	500
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		12	14	7
Iron	ppm	ASTM D5185m	>20	7	5	6
Chromium	ppm	ASTM D5185m	>10	1	1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	0
Lead	ppm	ASTM D5185m	>10	<1	<1	0
Copper	ppm	ASTM D5185m	>75	2	1	2
Tin	ppm	ASTM D5185m	>10	0	0	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

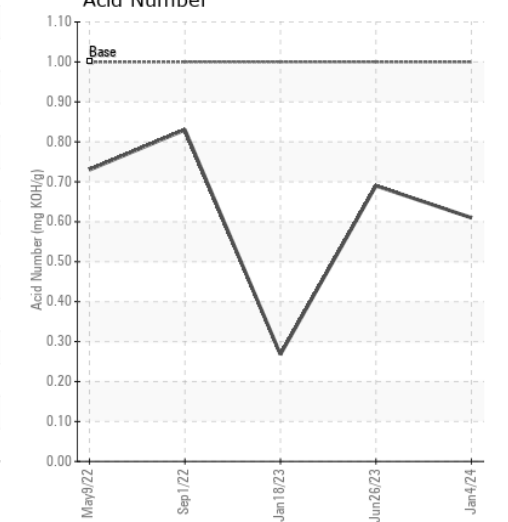
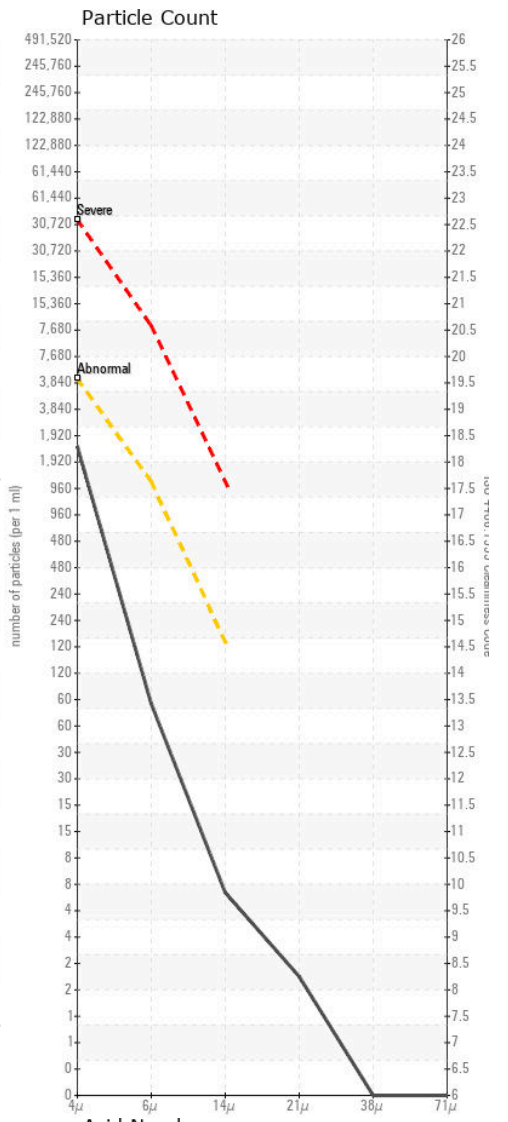
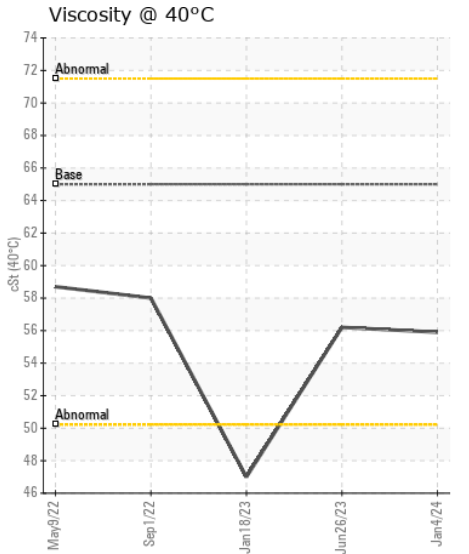
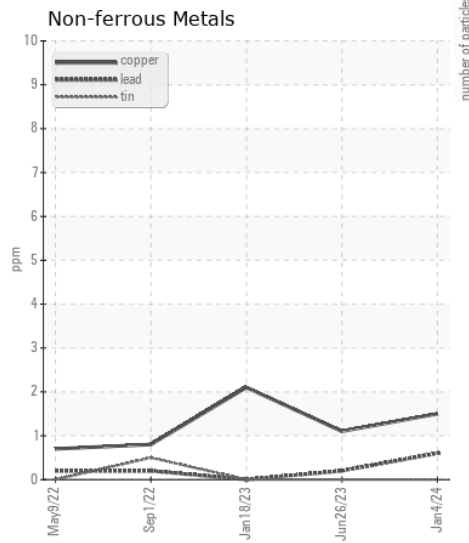
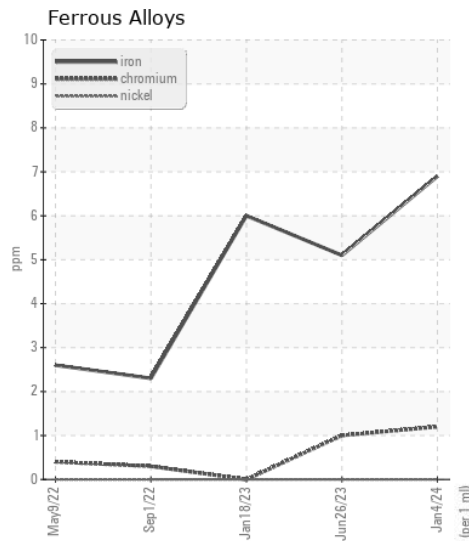
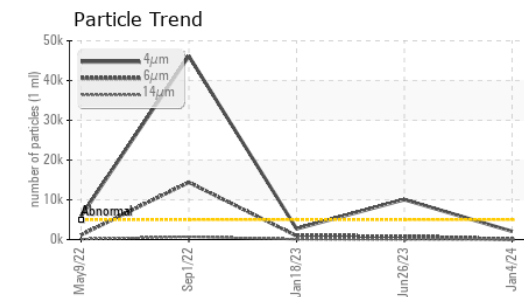
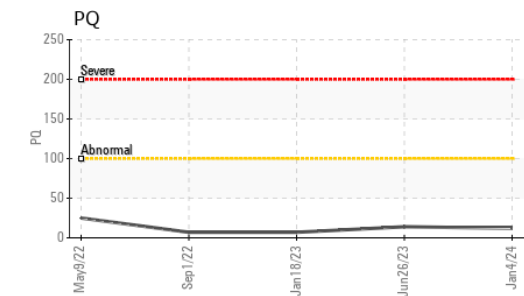
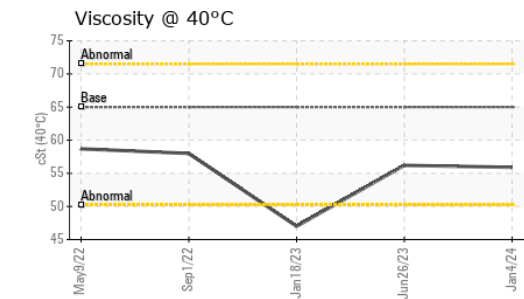
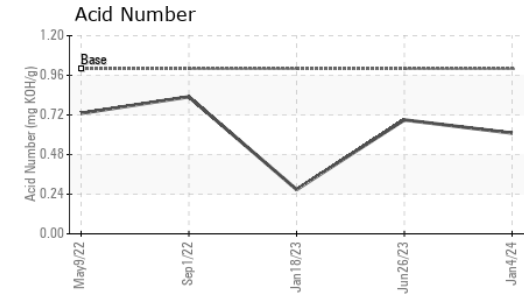
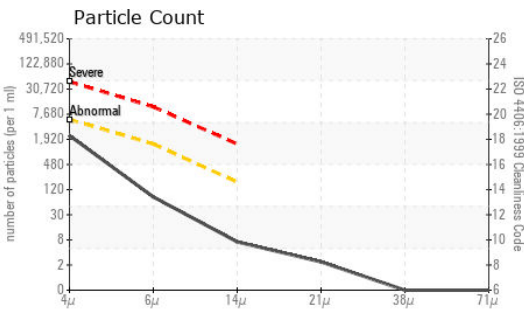
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	6	6	<1
Potassium	ppm	ASTM D5185m	>20	5	5	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	2066	▲ 10062	2702
Particles >6µm		ASTM D7647	>1300	71	847	928
Particles >14µm		ASTM D7647	>160	6	49	77
Particles >21µm		ASTM D7647	>40	2	15	11
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/13/10	▲ 21/17/13	19/17/13
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	>0.1	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		0	2	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		2	1	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		8	12	<1
Calcium	ppm	ASTM D5185m	87	296	249	2
Phosphorus	ppm	ASTM D5185m	727	722	620	492
Zinc	ppm	ASTM D5185m	900	841	822	30
Sulfur	ppm	ASTM D5185m	1500	1868	1947	130
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.61	0.69	0.268
Visc @ 40°C	cSt	ASTM D445	65	55.9	56.2	47.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JRMC398478 **Received** : 18 Jan 2024
Lab Number : 06064994 **Diagnosed** : 22 Jan 2024
Unique Number : 10836376 **Diagnostician** : Wes Davis
Test Package : MOB 2 (Additional Tests: PQ)

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 US 28111
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 T: (704)289-9570
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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)