



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W62994]
 Machine Id
JOHN DEERE 672G 1DW672GXVCE644735
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (16 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W62994)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0198941	JR0172184	JR0161618
Sample Date		Client Info		11 Jan 2024	06 Jul 2023	16 May 2023
Machine Age	hrs	Client Info		6678	5955	5863
Oil Age	hrs	Client Info		5989	5266	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	11	13	17
Iron	ppm	ASTM D5185m	>71	11	13	12
Chromium	ppm	ASTM D5185m	>11	1	2	1
Nickel	ppm	ASTM D5185m	>6	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>11	2	2	4
Lead	ppm	ASTM D5185m	>13	0	<1	0
Copper	ppm	ASTM D5185m	>21	13	17	17
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

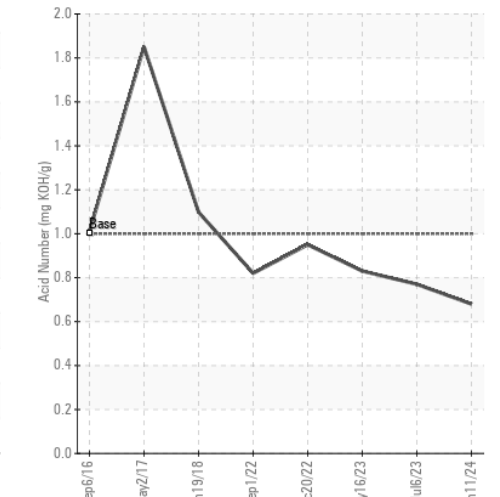
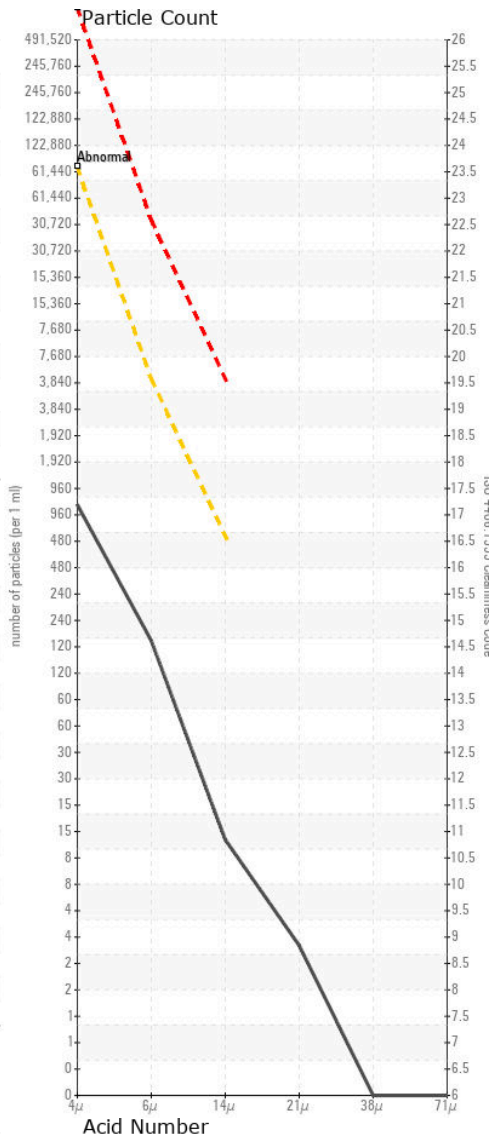
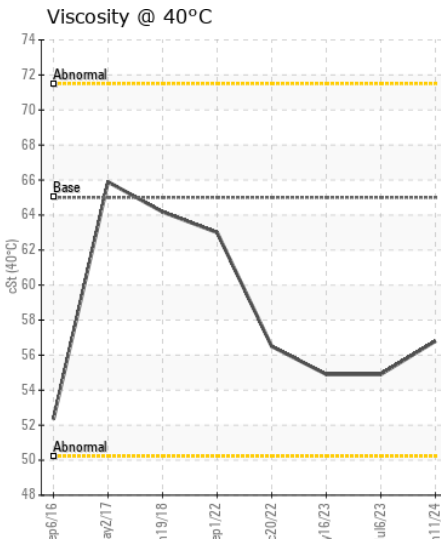
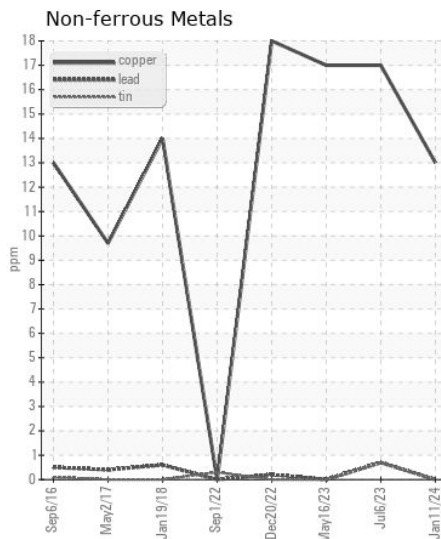
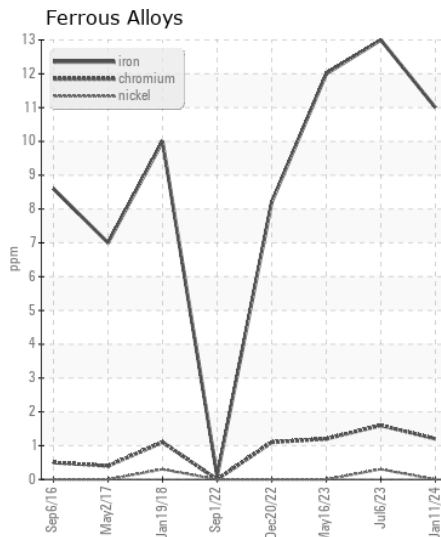
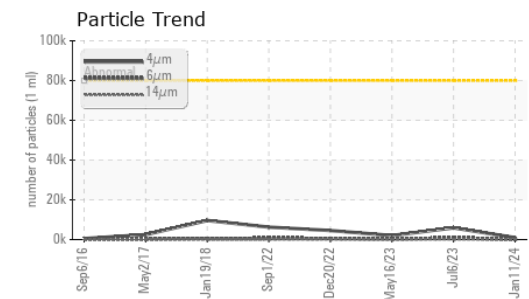
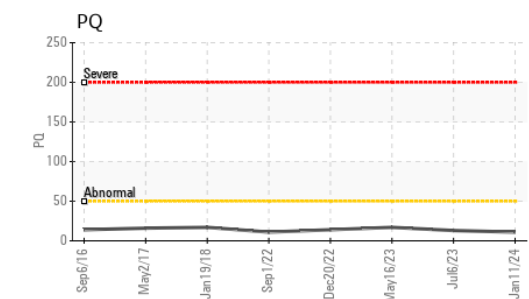
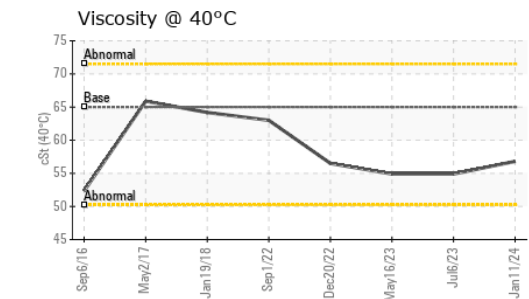
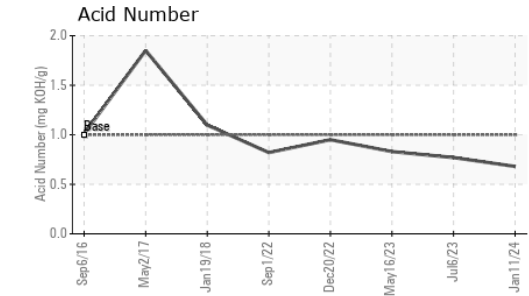
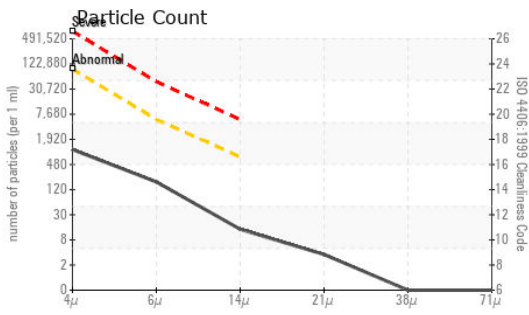
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>24	10	15	15
Potassium	ppm	ASTM D5185m	>20	1	2	0
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	961	5911	2033
Particles >6µm		ASTM D7647	>5000	162	811	243
Particles >14µm		ASTM D7647	>640	12	69	12
Particles >21µm		ASTM D7647	>160	3	15	4
Particles >38µm		ASTM D7647	>40	0	1	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	17/15/11	20/17/13	18/15/11
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	<1	<1	1
Boron	ppm	ASTM D5185m		33	65	61
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		29	47	50
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		110	175	184
Calcium	ppm	ASTM D5185m	87	563	728	752
Phosphorus	ppm	ASTM D5185m	727	642	567	574
Zinc	ppm	ASTM D5185m	900	788	727	739
Sulfur	ppm	ASTM D5185m	1500	1884	1943	1960
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.68	0.77	0.83
Visc @ 40°C	cSt	ASTM D445	65	56.8	54.9	54.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0198941 **Received** : 17 Jan 2024
Lab Number : 06062547 **Diagnosed** : 18 Jan 2024
Unique Number : 10833929 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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)

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