



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 672G 1DW672GXTHF682492
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU XR (16 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry update for time on filter.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0044477	LEC0036552	LEC0026938
Sample Date		Client Info		15 Nov 2023	11 Nov 2022	24 Jan 2022
Machine Age	hrs	Client Info		3365	2769	2053
Oil Age	hrs	Client Info		3365	2769	2053
Filter Age	hrs	Client Info		1312	716	2053
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	9	7	22
Iron	ppm	ASTM D5185m	>71	12	12	11
Chromium	ppm	ASTM D5185m	>11	4	3	2
Nickel	ppm	ASTM D5185m	>6	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	2	<1
Aluminum	ppm	ASTM D5185m	>11	3	4	2
Lead	ppm	ASTM D5185m	>13	0	<1	<1
Copper	ppm	ASTM D5185m	>21	7	7	7
Tin	ppm	ASTM D5185m	>5	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

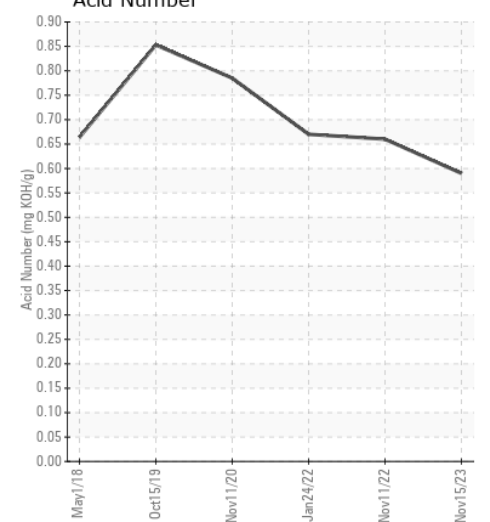
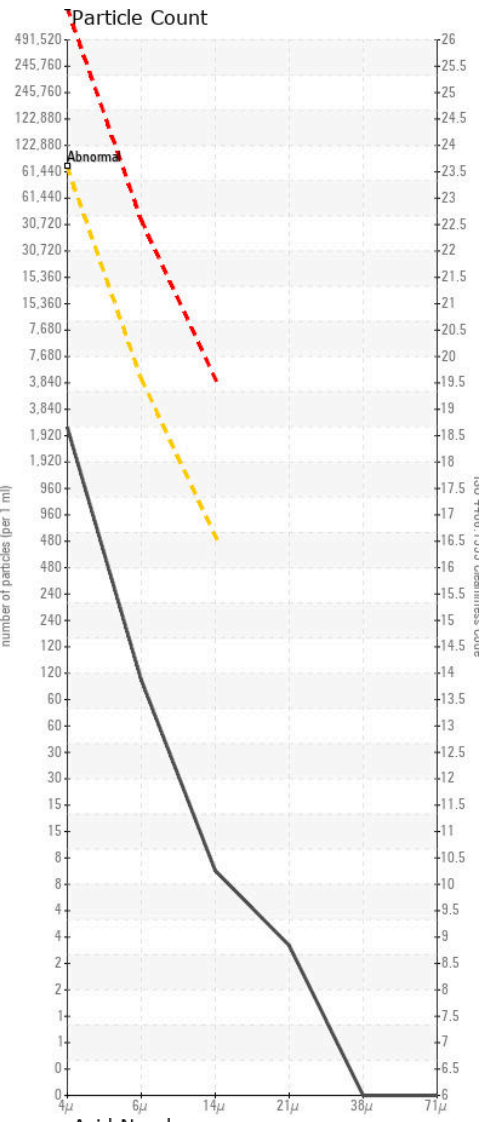
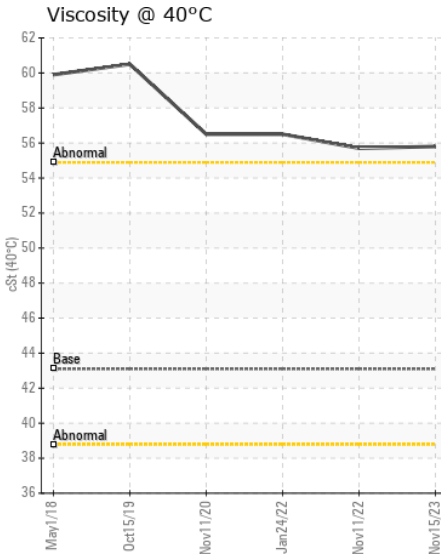
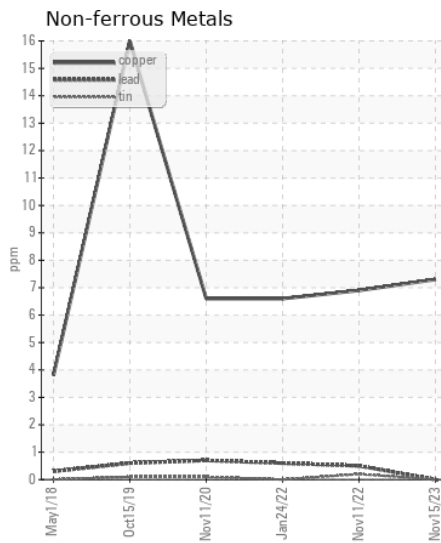
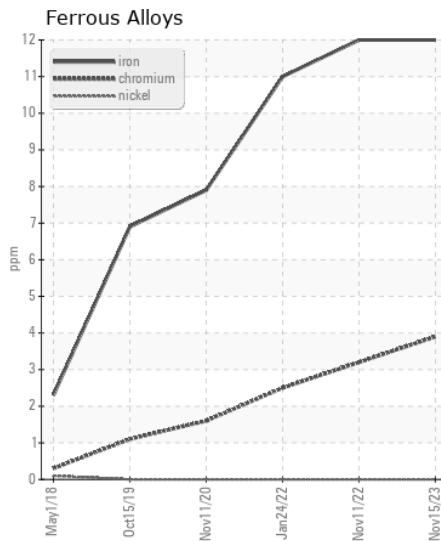
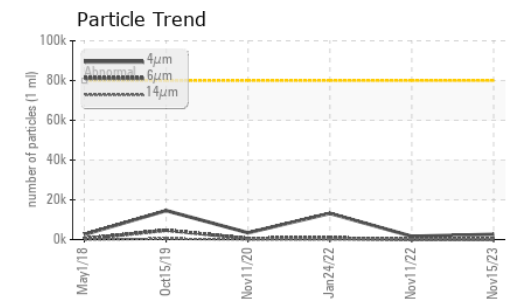
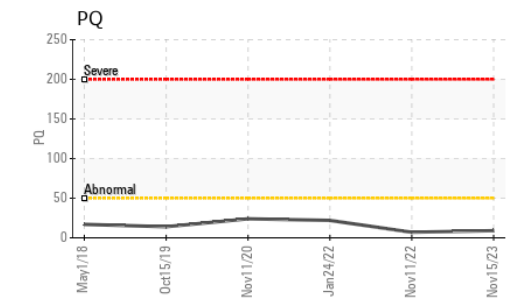
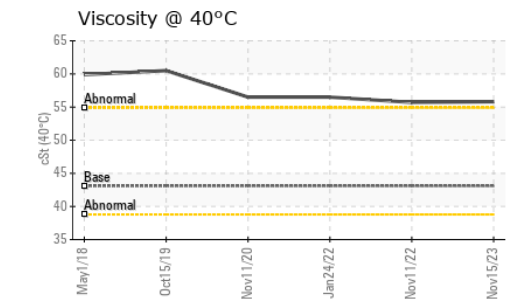
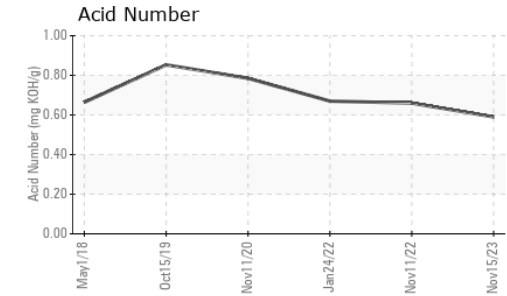
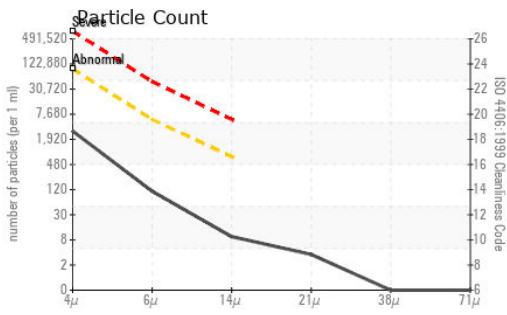
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>24	7	6	6
Potassium	ppm	ASTM D5185m	>20	4	4	3
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	2648	1637	13190
Particles >6µm		ASTM D7647	>5000	97	67	754
Particles >14µm		ASTM D7647	>640	8	4	62
Particles >21µm		ASTM D7647	>160	3	1	14
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	19/14/10	18/13/9	21/17/13
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	>0.075	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	3	0	2
Boron	ppm	ASTM D5185m		20	22	25
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		19	20	21
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		10	61	65
Calcium	ppm	ASTM D5185m		156	194	199
Phosphorus	ppm	ASTM D5185m		506	538	533
Zinc	ppm	ASTM D5185m		770	801	779
Sulfur	ppm	ASTM D5185m		1308	1991	1704
Acid Number (AN)	mg KOH/g	ASTM D8045		0.59	0.66	0.67
Visc @ 40°C	cSt	ASTM D445	43.1	55.8	55.7	56.5



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0044477 **Received** : 17 Nov 2023
Lab Number : 06010692 **Tested** : 20 Nov 2023
Unique Number : 10749836 **Diagnosed** : 08 Feb 2024 - Doug Bogart
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)