



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[WINCHESTER EAST LLC]
 Machine Id
JOHN DEERE 330G 1T0330GKEHF319296
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please note that this is a corrected copy for diagnostic comment updates.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0195270	JR0060631	---
Sample Date		Client Info		02 Feb 2024	17 Nov 2020	---
Machine Age	hrs	Client Info		658	426	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				ABNORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		15	19	---
Iron	ppm	ASTM D5185m	>20	13	15	---
Chromium	ppm	ASTM D5185m	>10	3	3	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	0	<1	---
Lead	ppm	ASTM D5185m	>10	4	4	---
Copper	ppm	ASTM D5185m	>75	6	7	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

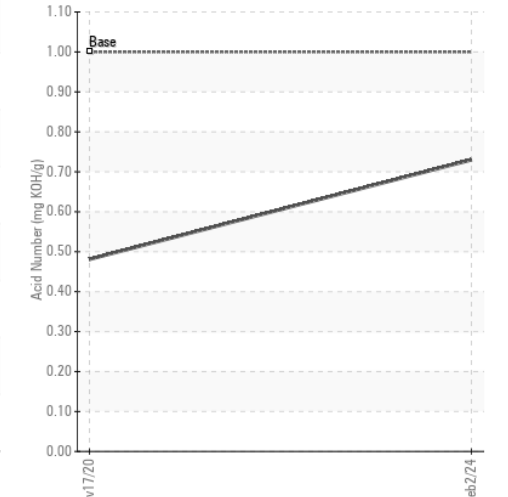
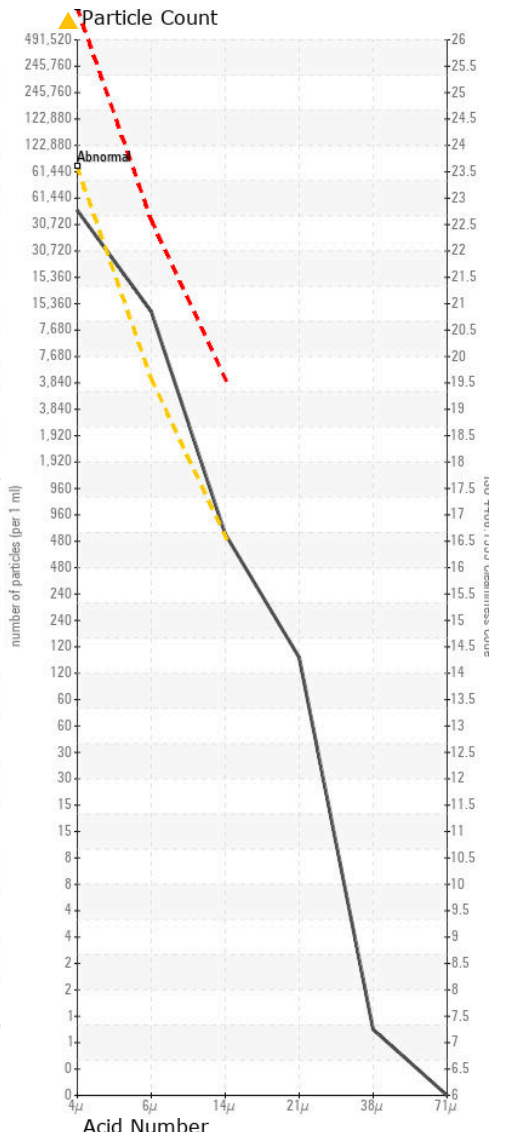
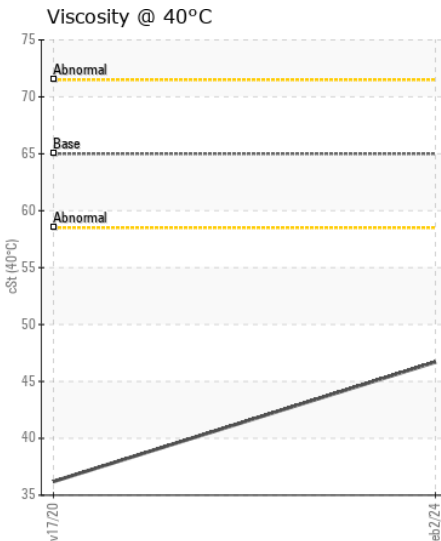
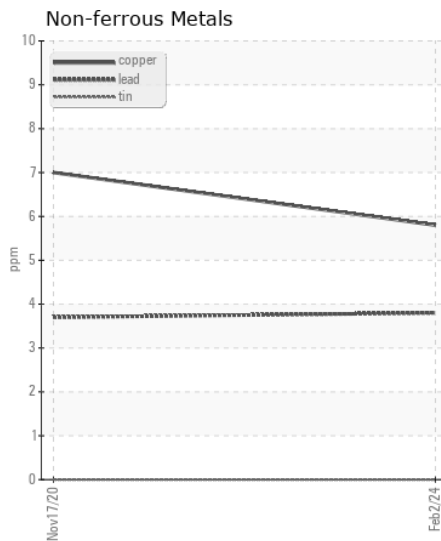
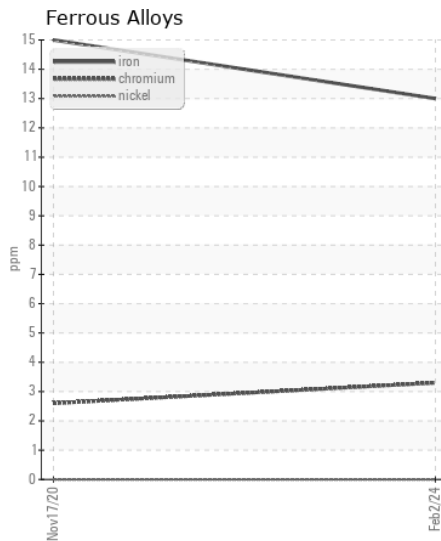
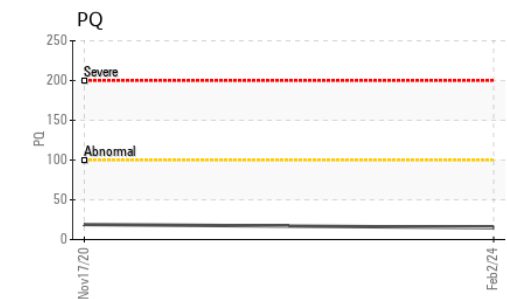
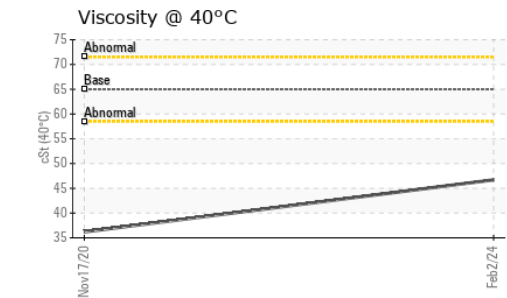
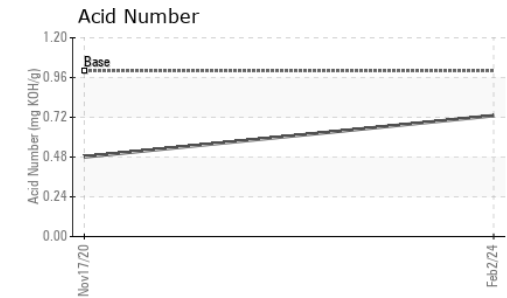
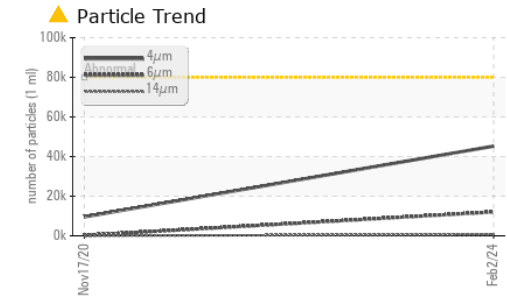
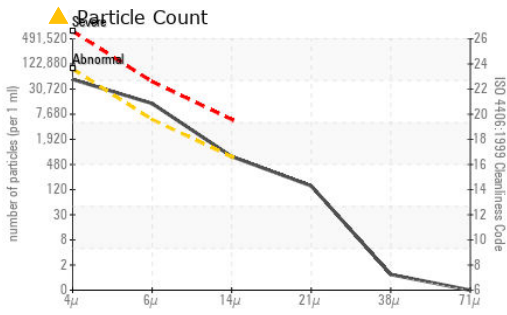
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	2	0	---
Potassium	ppm	ASTM D5185m	>20	0	1	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>80000	45274	▲ 9566	---
Particles >6µm		ASTM D7647	>5000	▲ 12039	194	---
Particles >14µm		ASTM D7647	>640	▲ 654	8	---
Particles >21µm		ASTM D7647	>160	130	4	---
Particles >38µm		ASTM D7647	>40	1	0	---
Particles >71µm		ASTM D7647	>10	0	0	---
Oil Cleanliness		ISO 4406 (c)	>23/19/16	▲ 23/21/17	▲ 20/15/10	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m		2	1	---
Boron	ppm	ASTM D5185m		3	<1	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		2	<1	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		29	5	---
Calcium	ppm	ASTM D5185m	87	1003	79	---
Phosphorus	ppm	ASTM D5185m	727	569	294	---
Zinc	ppm	ASTM D5185m	900	797	380	---
Sulfur	ppm	ASTM D5185m	1500	2118	818	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.73	0.481	---
Visc @ 40°C	cSt	ASTM D445	65	46.7	36.2	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0195270 **Received** : 09 Feb 2024
Lab Number : 06085365 **Tested** : 12 Feb 2024
Unique Number : 10872810 **Diagnosed** : 12 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)