



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 3025E 1LV3025EJMN153509

Component
Hydraulic System

Fluid
TDH FLUID SAE 70W80 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0189706	JR0135421	---
Sample Date		Client Info		15 Dec 2023	09 Dec 2022	---
Machine Age	hrs	Client Info		76	41	---
Oil Age	hrs	Client Info		0	41	---
Filter Age	hrs	Client Info		0	41	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	24	20	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>10	2	3	---
Lead	ppm	ASTM D5185m	>10	1	<1	---
Copper	ppm	ASTM D5185m	>75	33	15	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

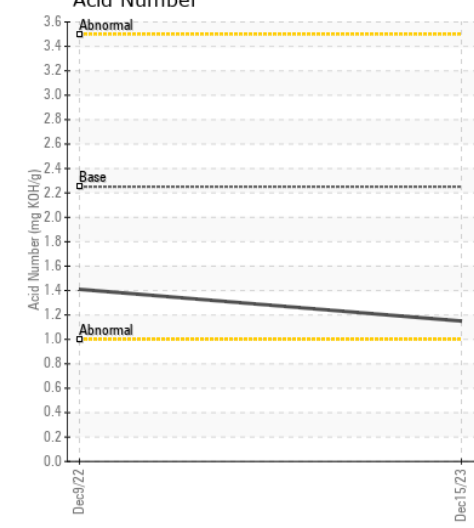
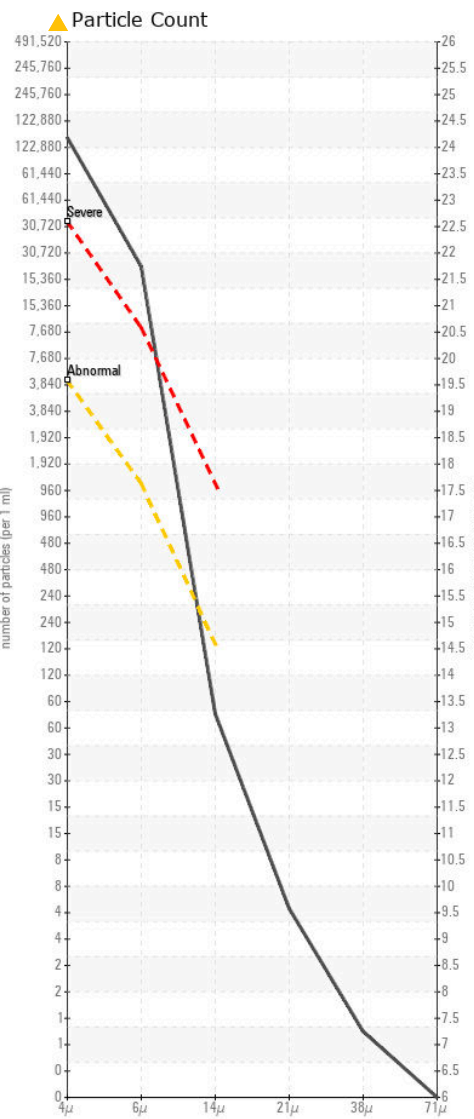
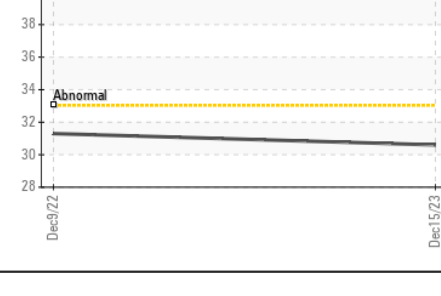
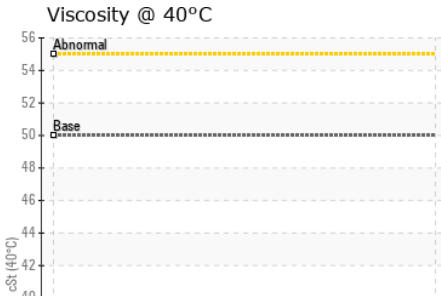
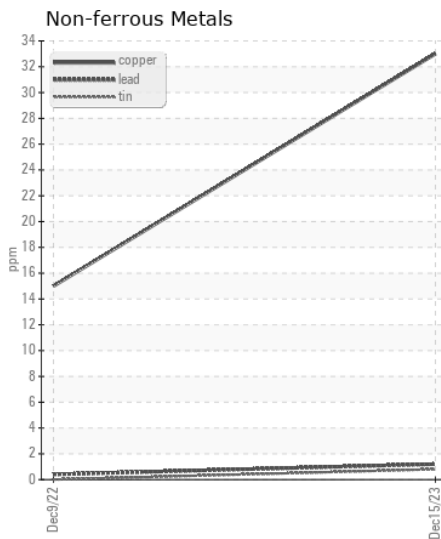
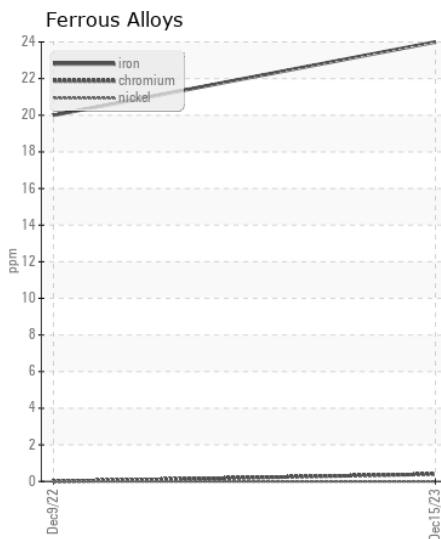
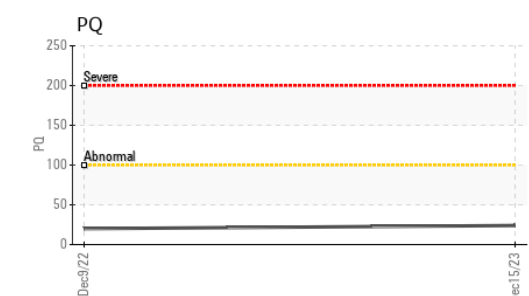
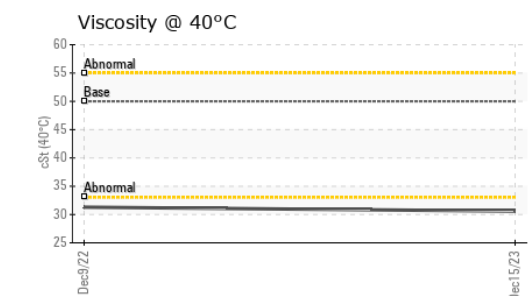
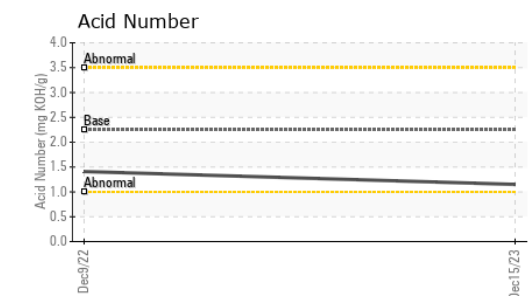
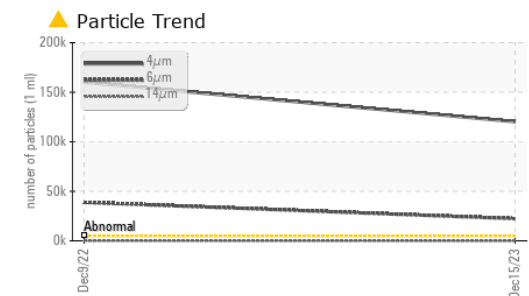
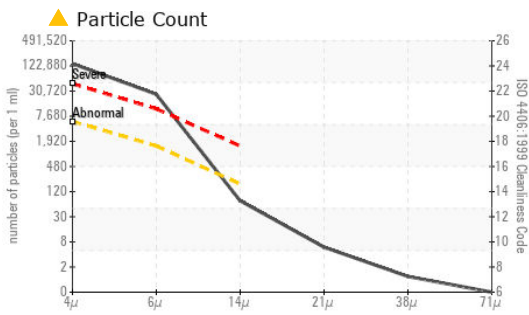
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	11	10	---
Potassium	ppm	ASTM D5185m	>20	5	5	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	▲ 120294	▲ 160046	---
Particles >6µm		ASTM D7647	>1300	▲ 22296	▲ 38818	---
Particles >14µm		ASTM D7647	>160	64	▲ 170	---
Particles >21µm		ASTM D7647	>40	5	19	---
Particles >38µm		ASTM D7647	>10	1	2	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/22/13	▲ 25/22/15	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	VLITE	---
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		0	0	---
Boron	ppm	ASTM D5185m	10	2	2	---
Barium	ppm	ASTM D5185m	10	0	0	---
Molybdenum	ppm	ASTM D5185m	10	<1	0	---
Manganese	ppm	ASTM D5185m		1	<1	---
Magnesium	ppm	ASTM D5185m	100	96	88	---
Calcium	ppm	ASTM D5185m	3500	3258	3382	---
Phosphorus	ppm	ASTM D5185m	1150	1043	985	---
Zinc	ppm	ASTM D5185m	1150	1181	1171	---
Sulfur	ppm	ASTM D5185m	5000	4002	4293	---
Acid Number (AN)	mg KOH/g	ASTM D8045	2.25	1.15	1.41	---
Visc @ 40°C	cSt	ASTM D445	50	30.6	31.3	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0189706 **Received** : 11 Jan 2024
Lab Number : 06057992 **Diagnosed** : 12 Jan 2024
Unique Number : 10829374 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - LA CROSSE
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 LA CROSSE, VA
 US 23950-1807
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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)