



WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**[W20734-MORE]**  
 Machine Id  
**JOHN DEERE 3025E 64000781 (S/N 1LU3025ETJJ124420)**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS LOW VIS (--- 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		JR0196652	---	---
Sample Date		Client Info		03 Jan 2024	---	---
Machine Age	hrs	Client Info		271	---	---
Oil Age	hrs	Client Info		271	---	---
Filter Age	hrs	Client Info		271	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				ABNORMAL	---	---

### WEAR

The iron level is abnormal. All other metal levels are typical for a new component breaking in.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		34	---	---
Iron	ppm	ASTM D5185m	>20	▲ 68	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>10	4	---	---
Lead	ppm	ASTM D5185m	>10	3	---	---
Copper	ppm	ASTM D5185m	>75	55	---	---
Tin	ppm	ASTM D5185m	>10	1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

### CONTAMINATION

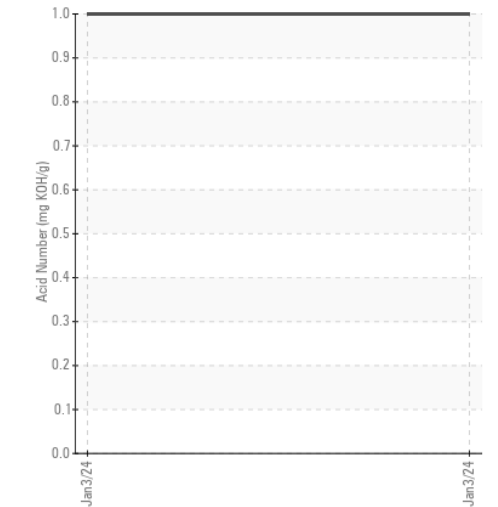
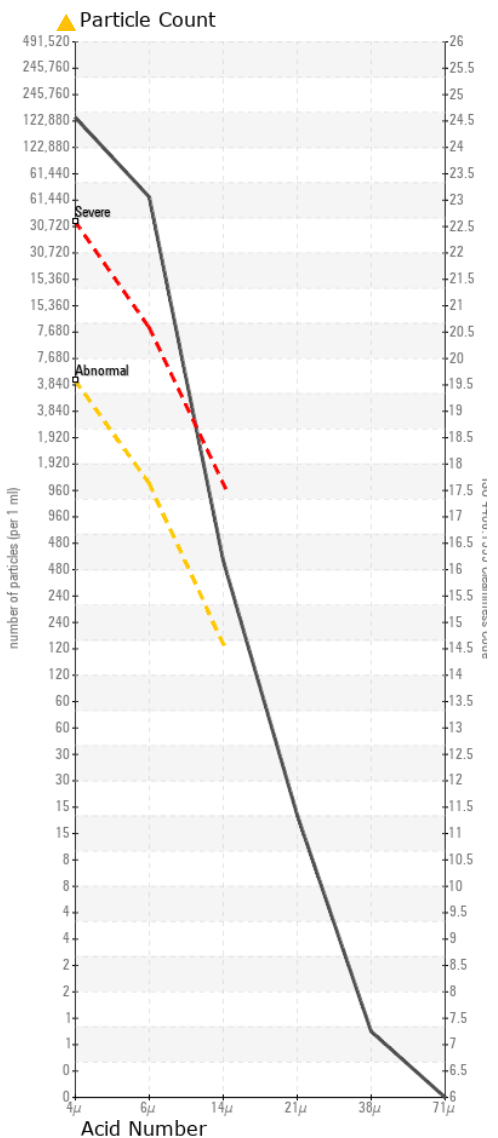
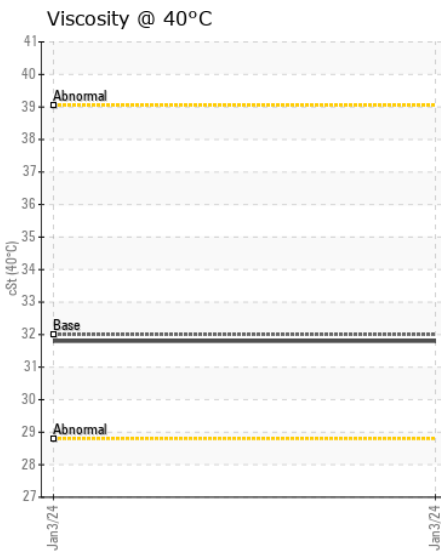
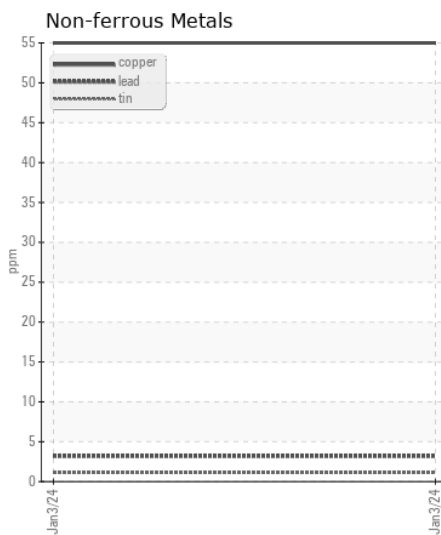
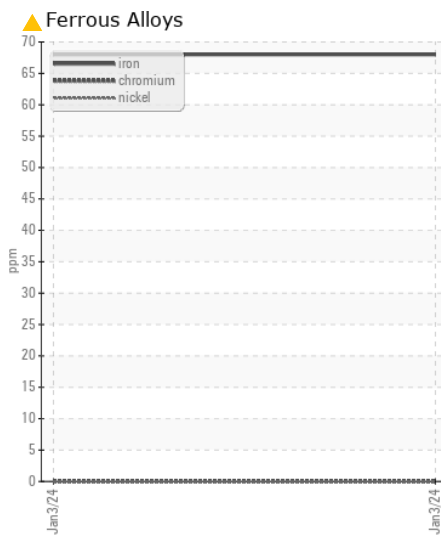
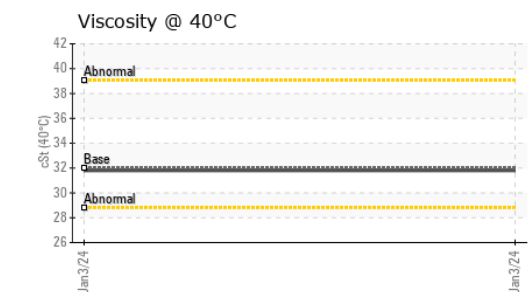
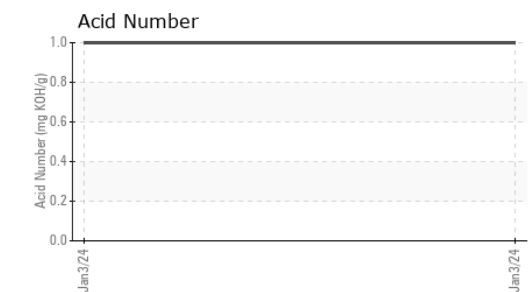
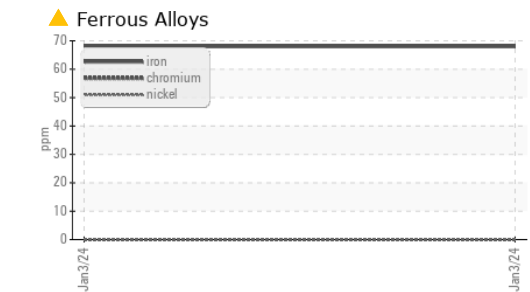
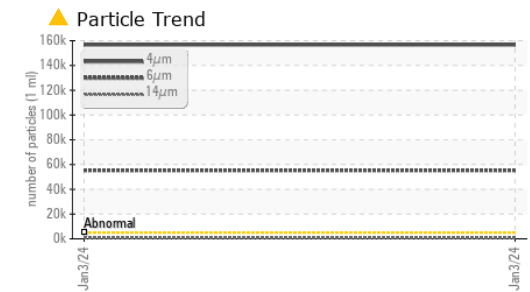
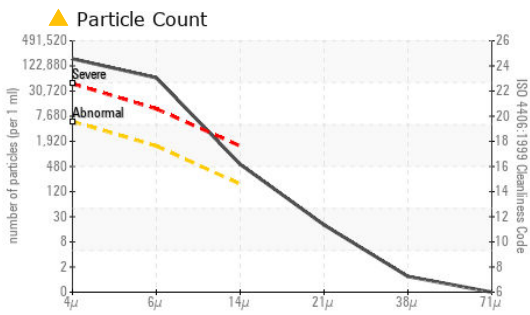
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	6	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>0.1	NEG	---	---
Particles >4µm		ASTM D7647	>5000	▲ 156705	---	---
Particles >6µm		ASTM D7647	>1300	▲ 55272	---	---
Particles >14µm		ASTM D7647	>160	▲ 475	---	---
Particles >21µm		ASTM D7647	>40	17	---	---
Particles >38µm		ASTM D7647	>10	1	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/23/16	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	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		6	---	---
Boron	ppm	ASTM D5185m		<1	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		90	---	---
Calcium	ppm	ASTM D5185m		3398	---	---
Phosphorus	ppm	ASTM D5185m		1018	---	---
Zinc	ppm	ASTM D5185m		1198	---	---
Sulfur	ppm	ASTM D5185m		3426	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.00	---	---
Visc @ 40°C	cSt	ASTM D445	32	31.8	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : JR0196652      Recieved : 08 Jan 2024  
 Lab Number : 06054742      Diagnosed : 10 Jan 2024  
 Unique Number : 10820691      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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