



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 672D DW672DX600342

Component
Hydraulic System

Fluid
JOHN DEERE HYDRAU (--- LTR)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0200325	JRMC013902	JRMC007333
Sample Date		Client Info		10 Jan 2024	05 Feb 2007	29 Sep 2005
Machine Age	hrs	Client Info		6932	1669	163
Oil Age	hrs	Client Info		0	1000	163
Filter Age	hrs	Client Info		0	1000	163
Oil Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Filter Changed		Client Info		Not Chngd	Not Chngd	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

The copper level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184	>50	17	---	---
Iron	ppm	ASTM D5185m	>71	10	7	2
Chromium	ppm	ASTM D5185m	>11	3	<1	<1
Nickel	ppm	ASTM D5185m	>6	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	<1	0
Aluminum	ppm	ASTM D5185m	>11	2	4	1
Lead	ppm	ASTM D5185m	>13	<1	<1	<1
Copper	ppm	ASTM D5185m	>21	▲ 32	7	2
Tin	ppm	ASTM D5185m	>5	<1	0	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

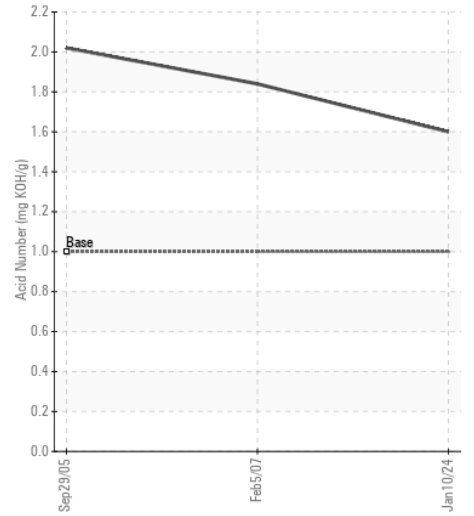
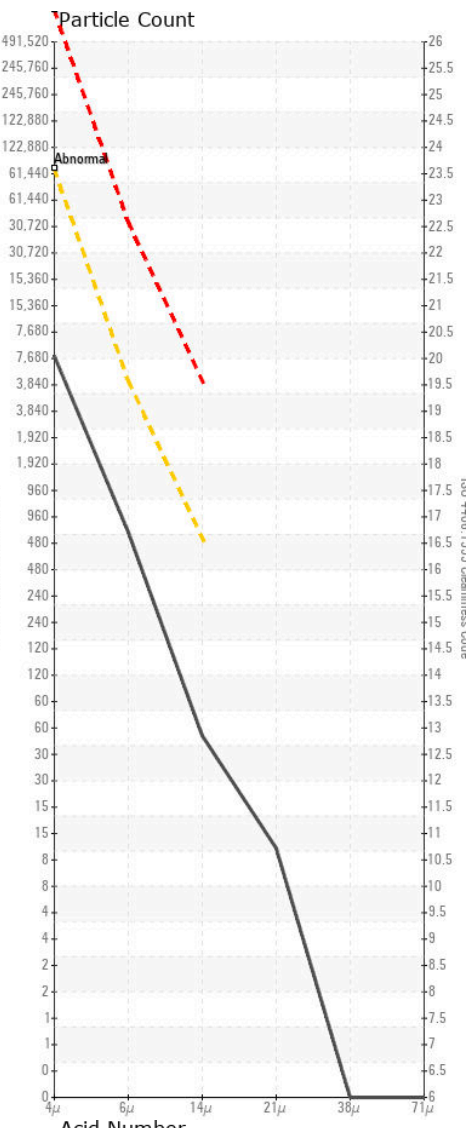
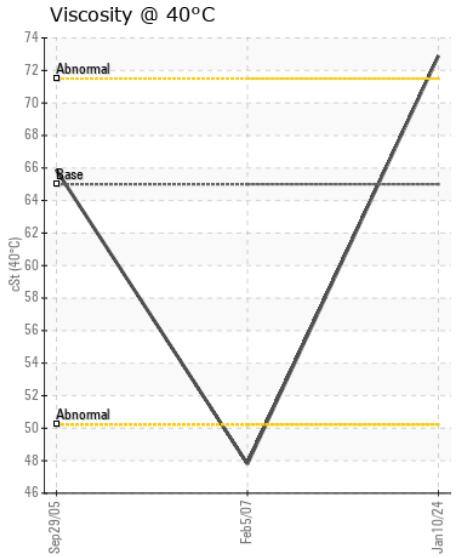
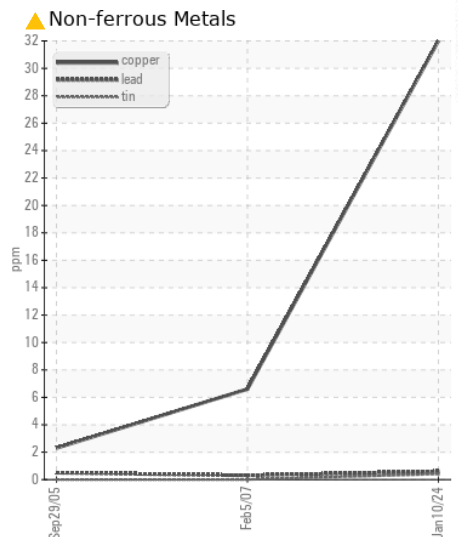
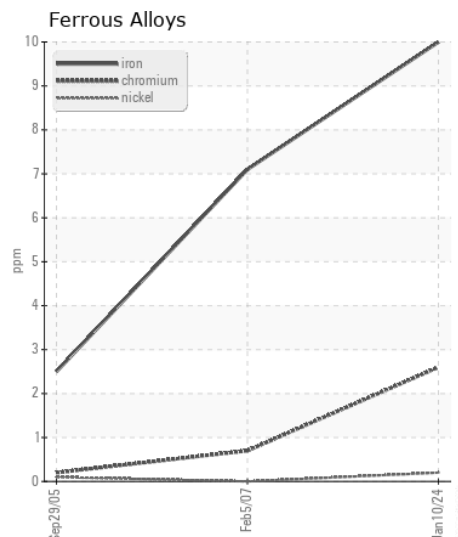
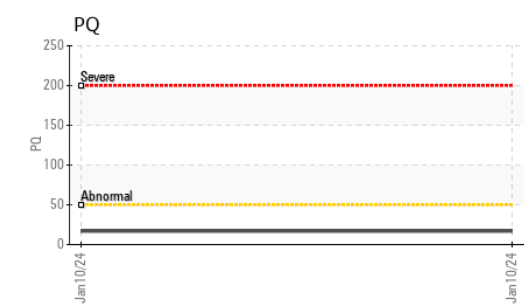
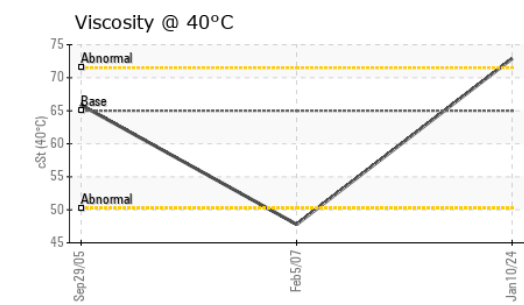
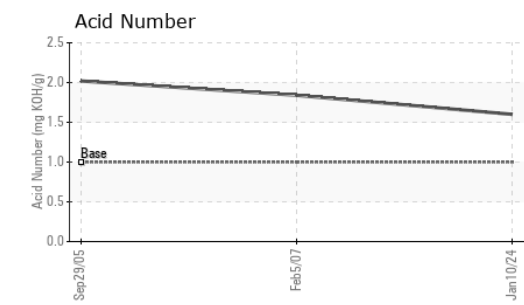
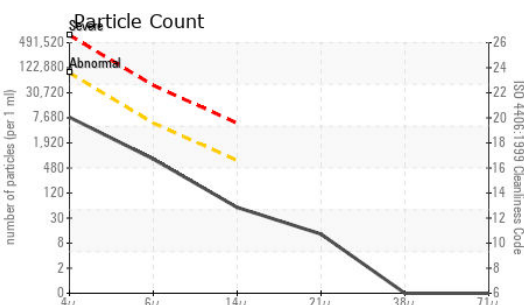
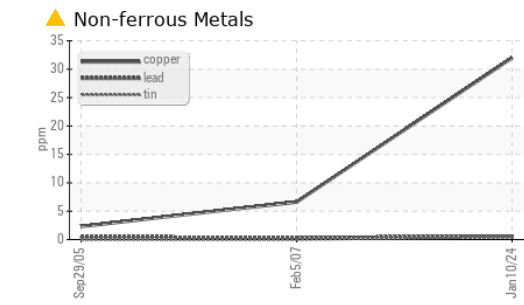
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>24	11	6	11
Potassium	ppm	ASTM D5185m	>20	12	2	0
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	6912	▲ 13204	186
Particles >6µm		ASTM D7647	>5000	689	935	8
Particles >14µm		ASTM D7647	>640	48	104	1
Particles >21µm		ASTM D7647	>160	11	24	0
Particles >38µm		ASTM D7647	>40	0	2	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	20/17/13	▲ 21/17/14	15/10/7
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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	9	2	2
Boron	ppm	ASTM D5185m		195	28	9
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		74	19	6
Manganese	ppm	ASTM D5185m		<1	2	<1
Magnesium	ppm	ASTM D5185m		286	136	255
Calcium	ppm	ASTM D5185m	87	1929	2771	2314
Phosphorus	ppm	ASTM D5185m	727	893	1007	1100
Zinc	ppm	ASTM D5185m	900	1010	1236	1268
Sulfur	ppm	ASTM D5185m	1500	3677	4849	3416
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	1.60	1.84	2.02
Visc @ 40°C	cSt	ASTM D445	65	72.9	47.8	65.87



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0200325 **Received** : 11 Jan 2024
Lab Number : 06057999 **Diagnosed** : 12 Jan 2024
Unique Number : 10829381 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DAVID ZIEG
 dzieg@jamesriverequipment.com
 T: (804)798-6001
 F: (804)798-0292

Certificate L2367
 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)