



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[16W16124]

Machine Id
JOHN DEERE 333G 1T0333GMAPF434848

Component
Hydraulic System

Fluid
JOHN DEERE HYDRAU (35 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16124)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0207122	JR0153971	---
Sample Date		Client Info		25 Apr 2024	28 Apr 2023	---
Machine Age	hrs	Client Info		965	286	---
Oil Age	hrs	Client Info		300	286	---
Filter Age	hrs	Client Info		300	286	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	8	4	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	0	<1	---
Lead	ppm	ASTM D5185m	>10	0	0	---
Copper	ppm	ASTM D5185m	>75	6	3	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

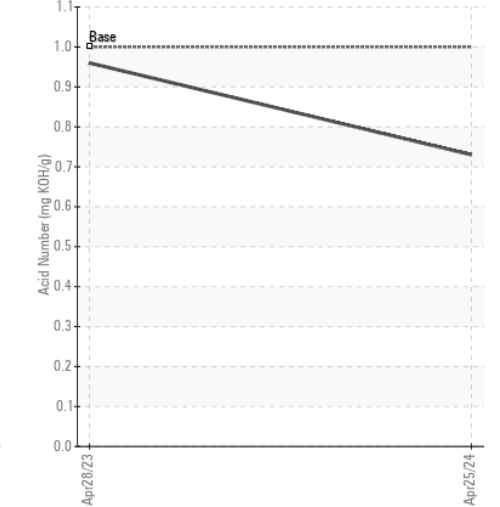
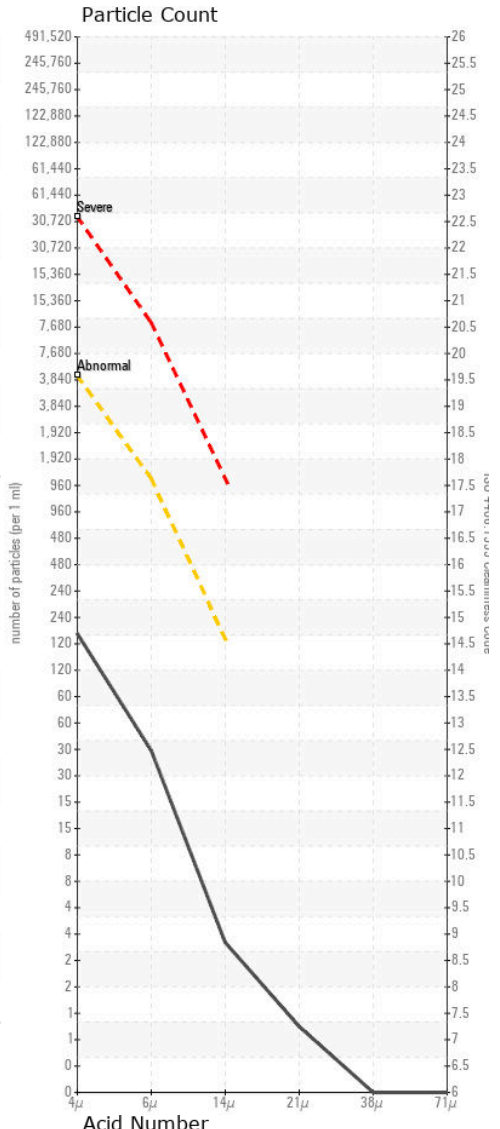
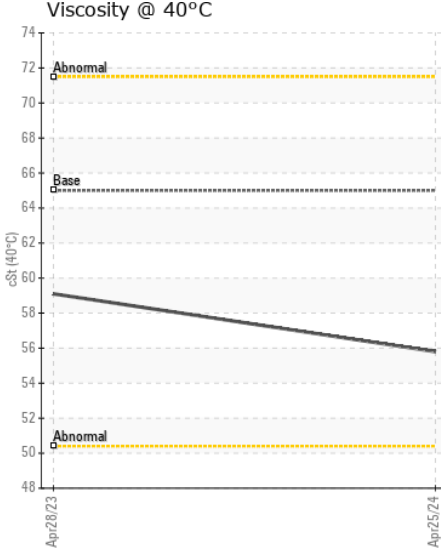
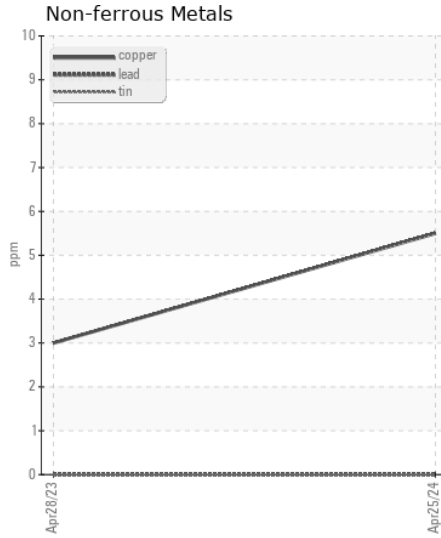
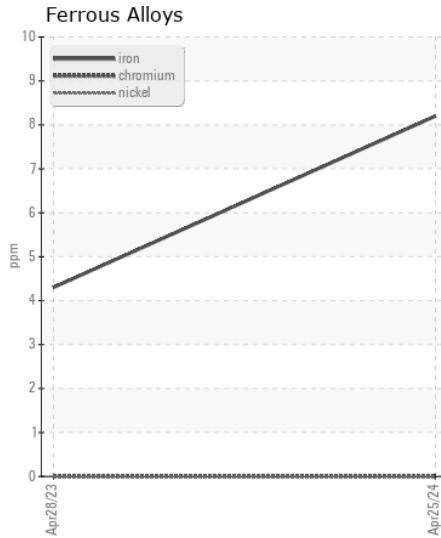
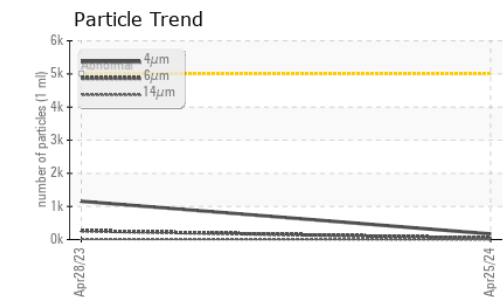
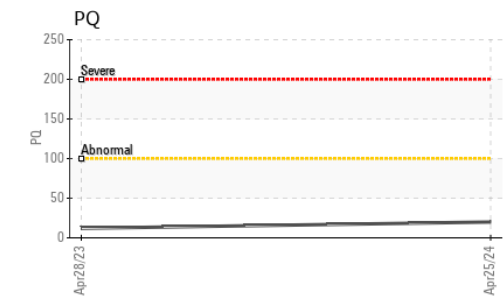
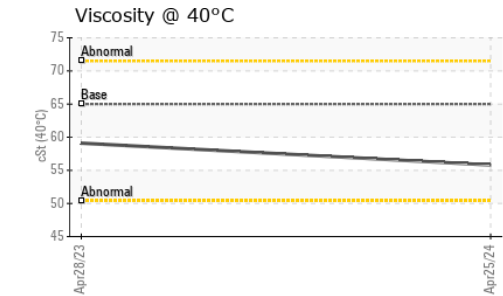
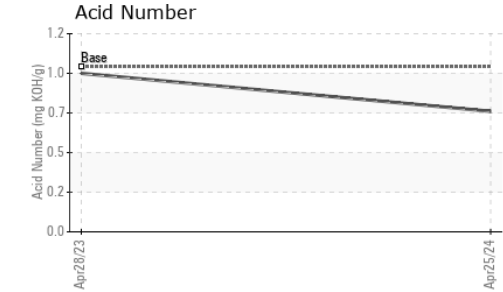
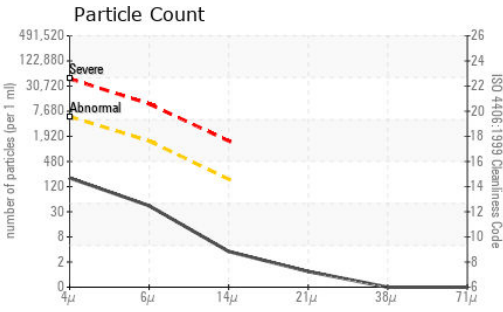
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	<1	4	---
Potassium	ppm	ASTM D5185m	>20	0	0	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	171	1156	---
Particles >6µm		ASTM D7647	>1300	37	265	---
Particles >14µm		ASTM D7647	>160	3	17	---
Particles >21µm		ASTM D7647	>40	1	2	---
Particles >38µm		ASTM D7647	>10	0	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/12/9	17/15/11	---
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 oil is suitable for further service.

Sodium	ppm	ASTM D5185m		1	2	---
Boron	ppm	ASTM D5185m		0	6	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	5	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		0	0	---
Calcium	ppm	ASTM D5185m	87	97	86	---
Phosphorus	ppm	ASTM D5185m	727	619	590	---
Zinc	ppm	ASTM D5185m	900	798	934	---
Sulfur	ppm	ASTM D5185m	1500	1804	2439	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.73	0.96	---
Visc @ 40°C	cSt	ASTM D445	65	55.8	59.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0207122 **Received** : 26 Apr 2024
Lab Number : 06161356 **Tested** : 29 Apr 2024
Unique Number : 10996779 **Diagnosed** : 29 Apr 2024 - 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)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819
 Contact: WILMINGTON SHOP
 todd.simmons@jamesriverequipment.com; canastasio@wearcheck.com; canastasio@we
 T: (910)675-9211
 F: