

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

 Machine Id
JOHN DEERE 650K-II 1T0650KKAJF325406
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (--- GAL)

DIAGNOSIS
Recommendation

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

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history 1	history 2
Sample Number	Client Info		JR0175734	---	---
Sample Date	Client Info		21 Jun 2023	---	---
Machine Age	hrs	Client Info	704	---	---
Oil Age	hrs	Client Info	704	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			NORMAL	---	---

WEAR METALS

	method	limit/base	current	history 1	history 2
PQ	ASTM D8184	>50	19	---	---
Iron	ppm	ASTM D5185m	>23	10	---
Chromium	ppm	ASTM D5185m	>9	<1	---
Nickel	ppm	ASTM D5185m	>5	0	---
Titanium	ppm	ASTM D5185m		0	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>9	0	---
Lead	ppm	ASTM D5185m	>28	<1	---
Copper	ppm	ASTM D5185m	>51	13	---
Tin	ppm	ASTM D5185m	>5	0	---
Vanadium	ppm	ASTM D5185m		0	---
Cadmium	ppm	ASTM D5185m		0	---

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		<1	---
Barium	ppm	ASTM D5185m		0	---
Molybdenum	ppm	ASTM D5185m		0	---
Manganese	ppm	ASTM D5185m		0	---
Magnesium	ppm	ASTM D5185m		0	---
Calcium	ppm	ASTM D5185m	87	83	---
Phosphorus	ppm	ASTM D5185m	727	598	---
Zinc	ppm	ASTM D5185m	900	825	---
Sulfur	ppm	ASTM D5185m	1500	1950	---

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>31	2	---
Sodium	ppm	ASTM D5185m	>21	<1	---
Potassium	ppm	ASTM D5185m	>20	2	---

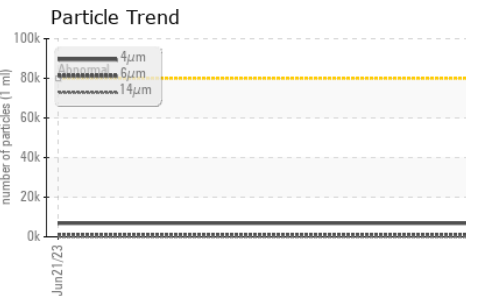
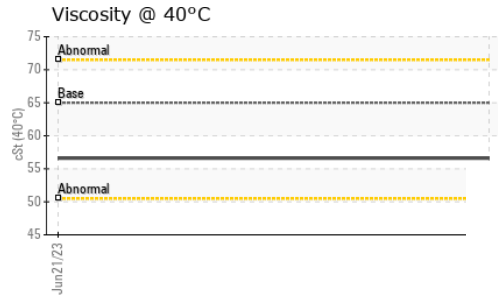
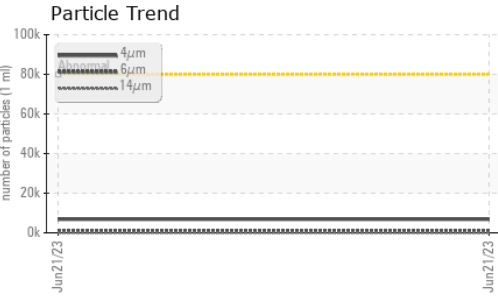
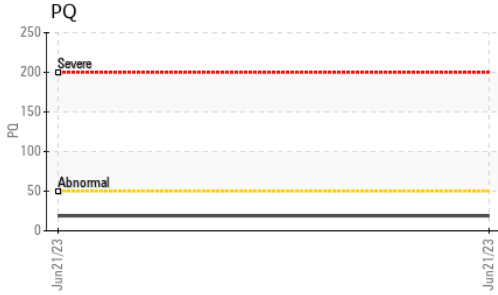
FLUID CLEANLINESS

	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	>80000	6840	---	---
Particles >6µm	ASTM D7647	>20000	686	---	---
Particles >14µm	ASTM D7647	>640	44	---	---
Particles >21µm	ASTM D7647	>160	12	---	---
Particles >38µm	ASTM D7647	>40	1	---	---
Particles >71µm	ASTM D7647	>10	0	---	---
Oil Cleanliness	ISO 4406 (c)	>23/21/16	20/17/13	---	---

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.78	---



OIL ANALYSIS REPORT



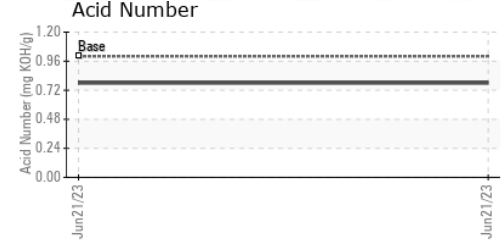
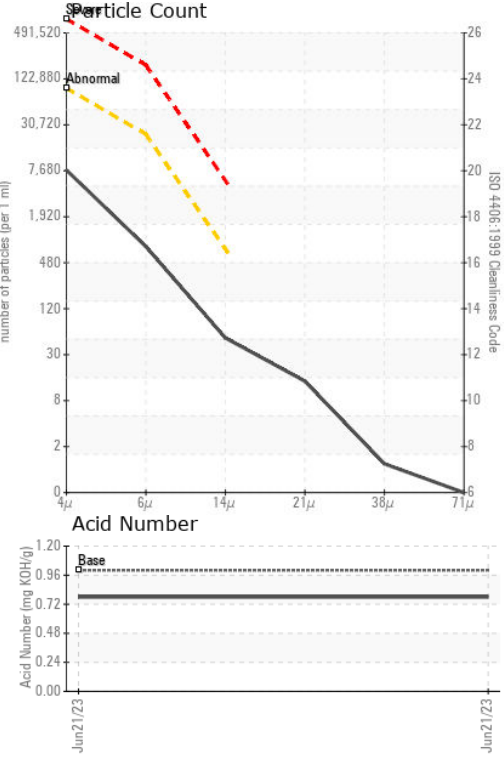
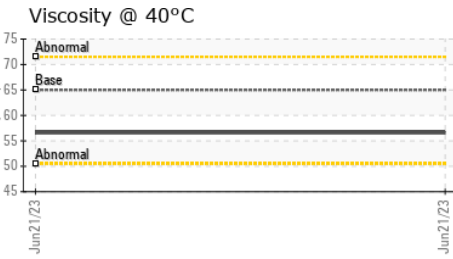
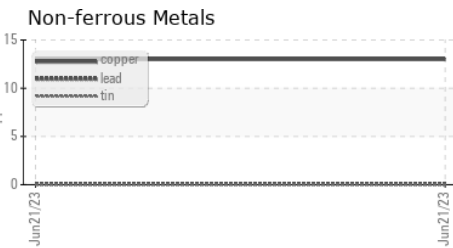
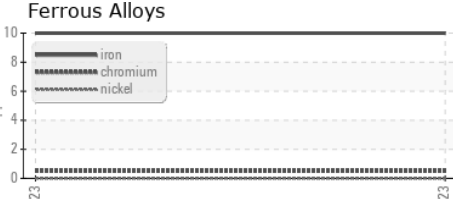
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	65	56.6	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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Color		no image	no image
Bottom		no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0175734 **Received** : 22 Jun 2023
Lab Number : 05880710 **Diagnosed** : 23 Jun 2023
Unique Number : 10525813 **Diagnostician** : Angela Borella
Test Package : CONST (Additional Tests: PQ)

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 ASHEVILLE, NC
 US 28806
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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)