



WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
BEALETON [05W36256]
Machine Id
JOHN DEERE 944K M02-0913 1DW944KXKML703638
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (--- GAL)

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		JR0146446	JR0123220	---
Sample Date		Client Info		13 Oct 2022	12 Apr 2022	---
Machine Age	hrs	Client Info		1626	277	---
Oil Age	hrs	Client Info		1626	500	---
Filter Age	hrs	Client Info		16256	500	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				ATTENTION	NORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		9	13	---
Iron	ppm	ASTM D5185m	>20	1	<1	---
Chromium	ppm	ASTM D5185m	>10	2	0	---
Nickel	ppm	ASTM D5185m		0	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	3	<1	---
Lead	ppm	ASTM D5185m	>10	0	0	---
Copper	ppm	ASTM D5185m	>75	6	3	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	LIGHT	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

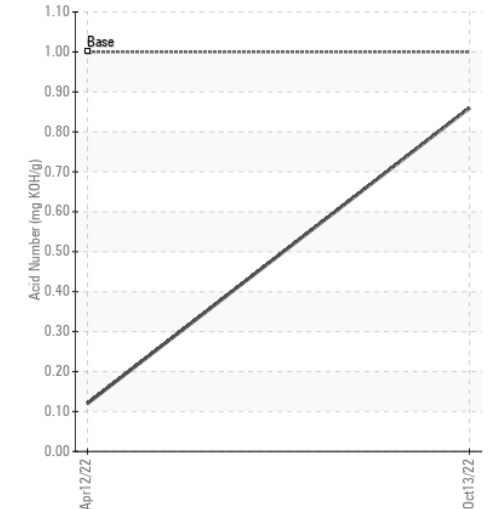
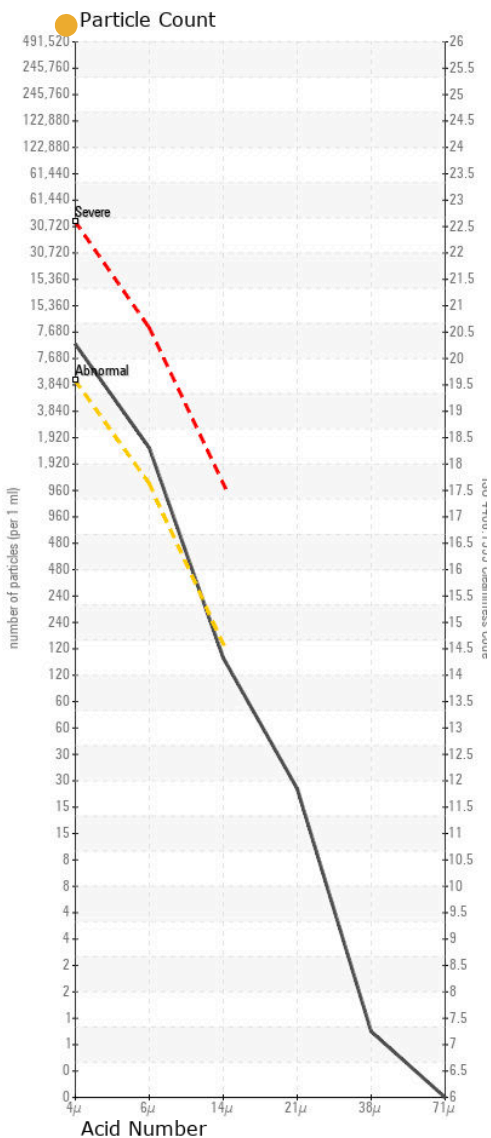
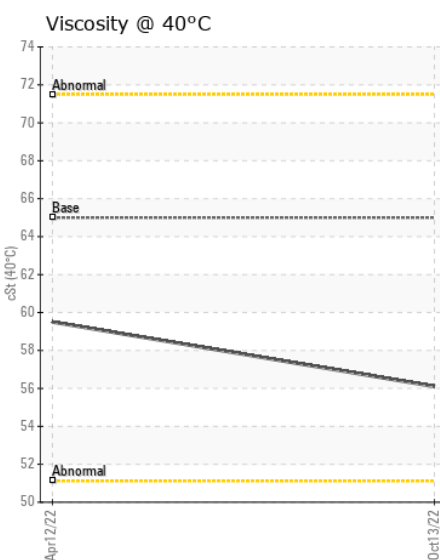
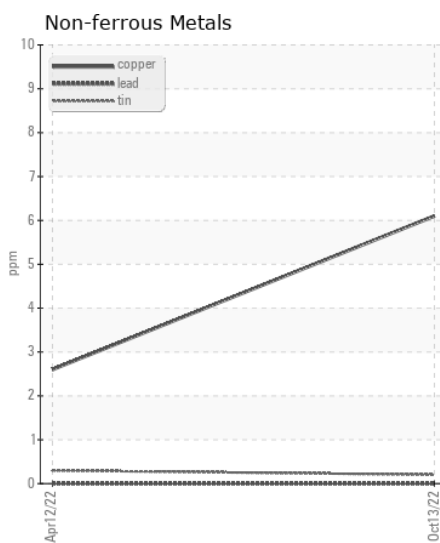
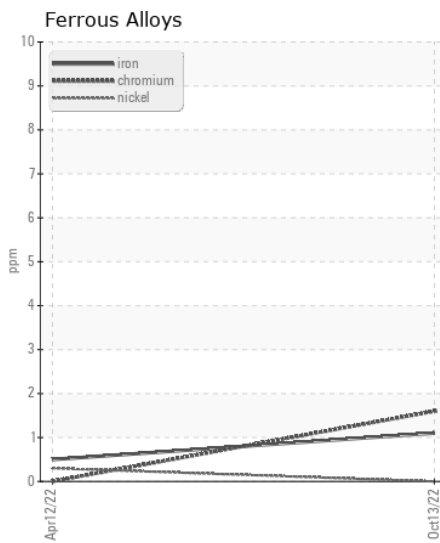
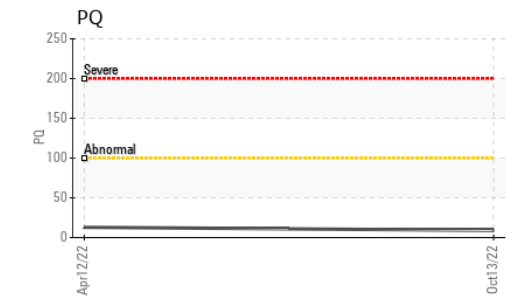
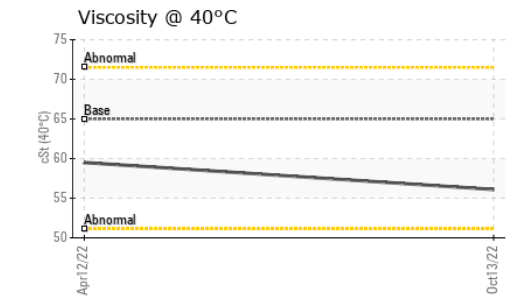
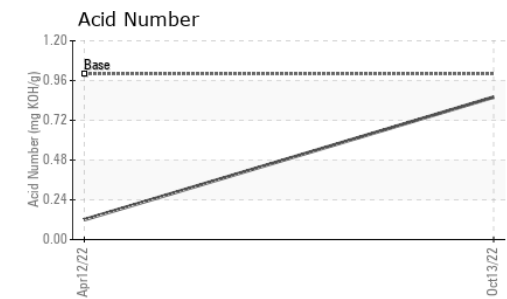
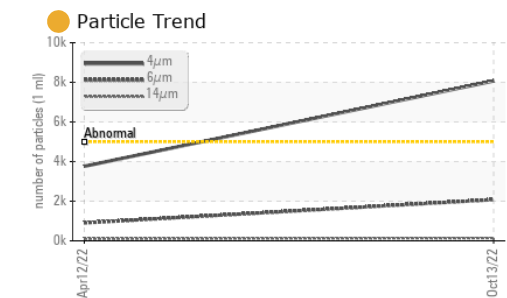
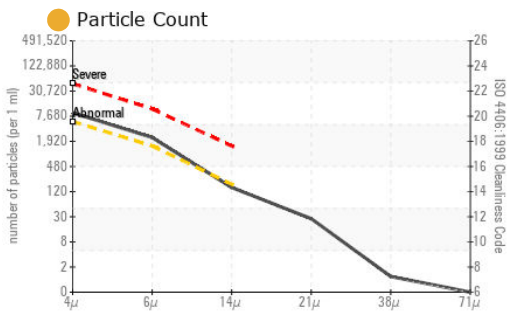
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	12	12	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	8069	3762	---
Particles >6µm		ASTM D7647	>1300	2076	904	---
Particles >14µm		ASTM D7647	>160	133	99	---
Particles >21µm		ASTM D7647	>40	24	28	---
Particles >38µm		ASTM D7647	>10	1	4	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/14	19/17/14	---
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 oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m		3	2	---
Boron	ppm	ASTM D5185m		0	1	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	2	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		4	6	---
Calcium	ppm	ASTM D5185m	87	64	85	---
Phosphorus	ppm	ASTM D5185m	727	545	612	---
Zinc	ppm	ASTM D5185m	900	813	789	---
Sulfur	ppm	ASTM D5185m	1500	1607	1398	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.86	0.12	---
Visc @ 40°C	cSt	ASTM D445	65	56.1	59.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0146446 **Received** : 14 Oct 2022
Lab Number : 05667569 **Tested** : 17 Oct 2022
Unique Number : 10177139 **Diagnosed** : 18 Oct 2022 - Doug Bogart
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)

LUCK STONE - MILFORD
 19380 RICHMOND TURNPIKE
 MILFORD, VA
 US 22514

Contact: BRYAN MORRIS
 bmorris@luckstone.com
 T: (804)400-3630

F: x: