



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
Store 8 - Pikeville [147135]
Machine Id
JOHN DEERE 650K 1T0650KKKHF316340
Component
Right Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0043029	LEC0028425	---
Sample Date		Client Info		30 Jan 2024	26 Jul 2022	---
Machine Age	hrs	Client Info		522	396	---
Oil Age	hrs	Client Info		522	396	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	39	19	---
Iron	ppm	ASTM D5185m	>750	62	54	---
Chromium	ppm	ASTM D5185m	>9	2	2	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	1	---
Aluminum	ppm	ASTM D5185m	>40	<1	<1	---
Lead	ppm	ASTM D5185m	>15	0	<1	---
Copper	ppm	ASTM D5185m	>40	<1	<1	---
Tin	ppm	ASTM D5185m	>10	<1	1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

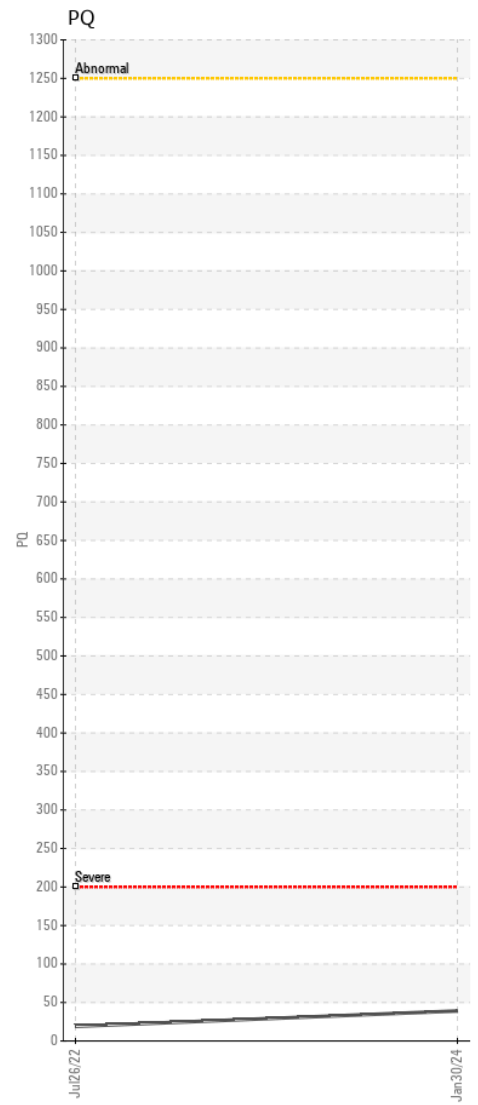
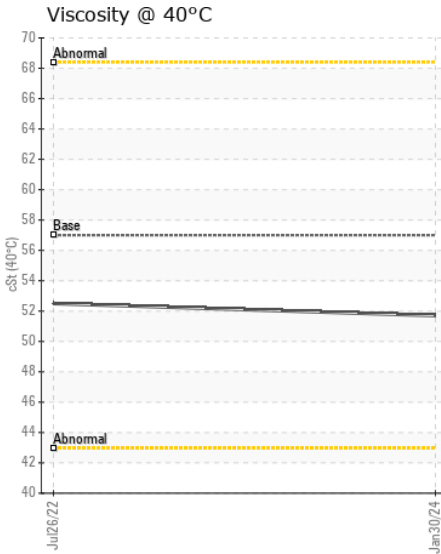
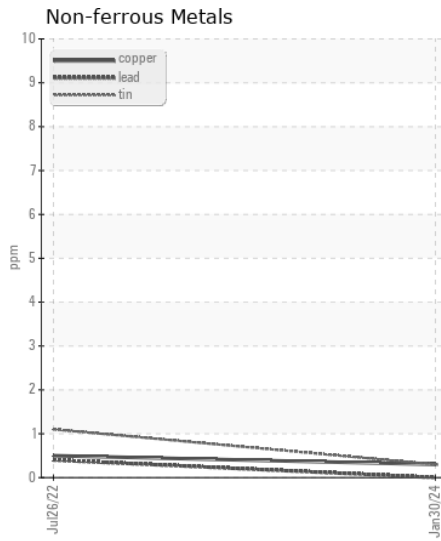
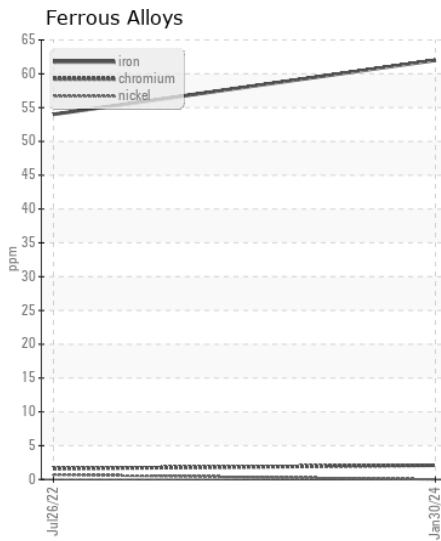
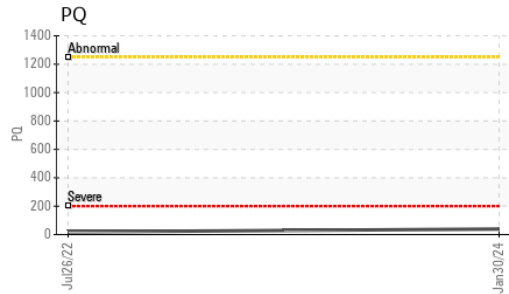
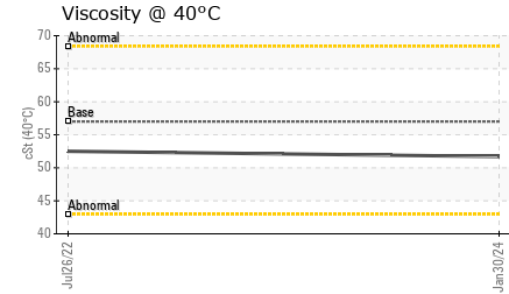
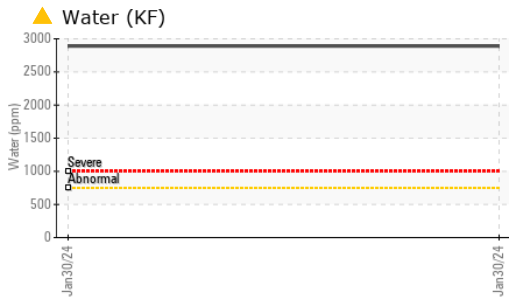
There is a moderate concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>75	5	4	---
Potassium	ppm	ASTM D5185m	>20	8	4	---
Water	%	ASTM D6304	>0.075	▲ 0.289	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 2890	---	---
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	>0.075	▲ 0.2%	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	3	4	---
Boron	ppm	ASTM D5185m	6	0	3	---
Barium	ppm	ASTM D5185m	0	<1	0	---
Molybdenum	ppm	ASTM D5185m	0	0	<1	---
Manganese	ppm	ASTM D5185m		6	5	---
Magnesium	ppm	ASTM D5185m	145	96	92	---
Calcium	ppm	ASTM D5185m	3570	3271	3311	---
Phosphorus	ppm	ASTM D5185m	1290	945	950	---
Zinc	ppm	ASTM D5185m	1640	1168	1204	---
Sulfur	ppm	ASTM D5185m		3197	3251	---
Visc @ 40°C	cSt	ASTM D445	57.0	51.7	52.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0043029 **Received** : 01 Feb 2024
Lab Number : 06077150 **Diagnosed** : 03 Feb 2024
Unique Number : 10859241 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: KF, PQ)

KENTUCKY DIVISION OF FORESTRY
 255 RODBURN HOLLOW
 MOREHEAD, KY
 US 40351
 Contact: FLOYD WILLIS

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)

T: (606)783-8626

F: