



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	ATTENTION



Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 624K 1DW624KPPB0636481
Component
Brake
Fluid
JOHN DEERE HY-GARD HYD/TRANS (10 Oz)

RECOMMENDATION

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

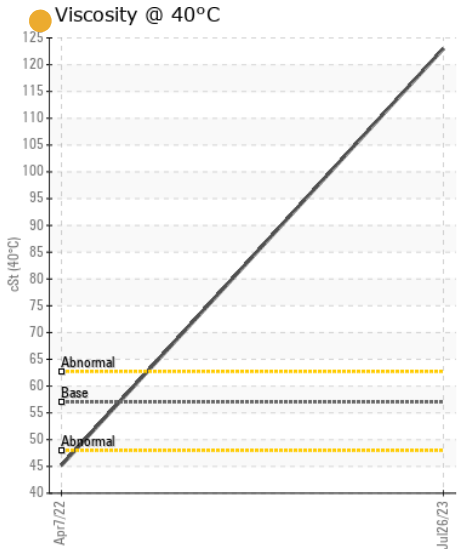
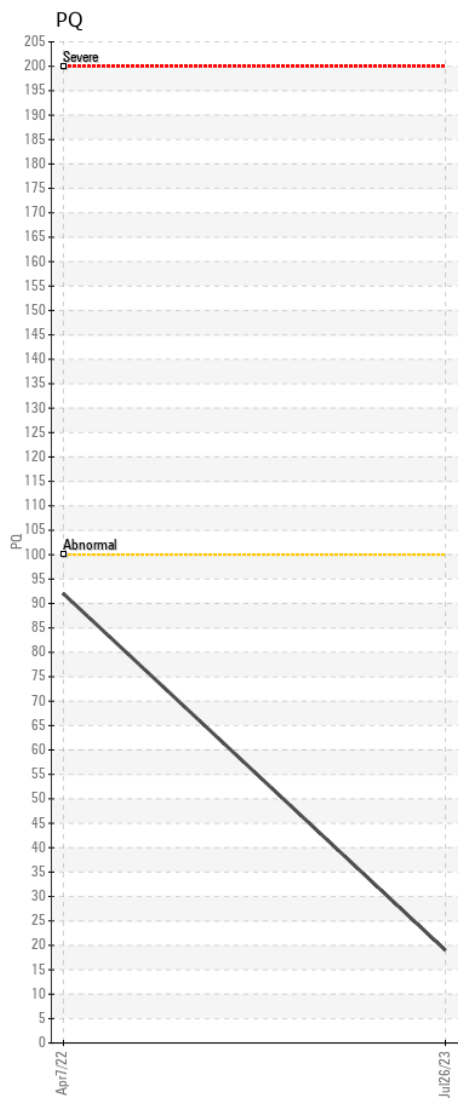
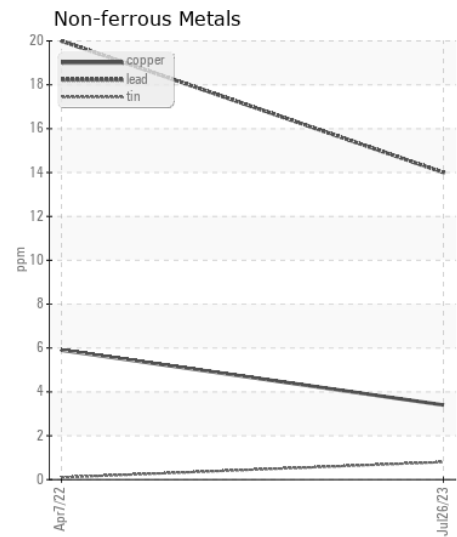
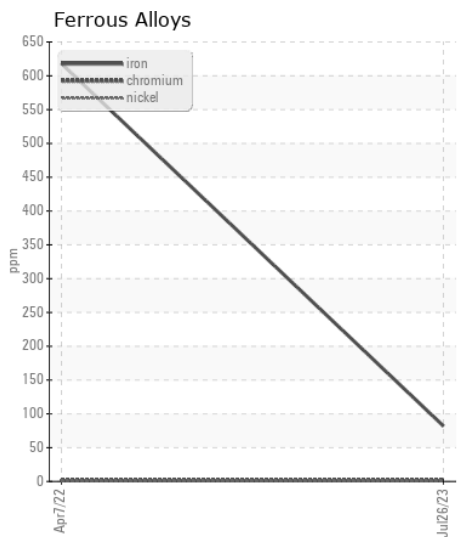
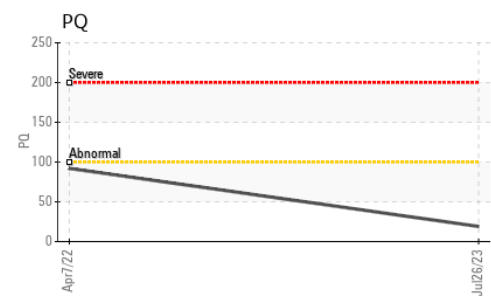
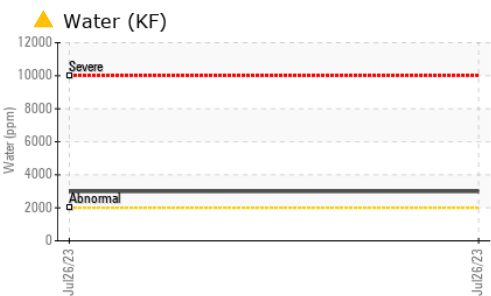
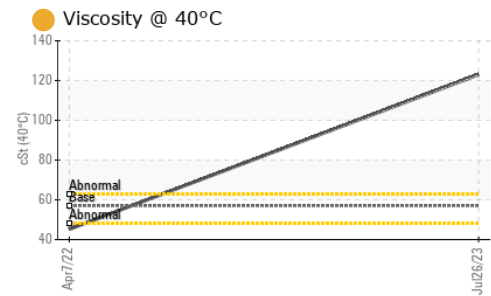
CONTAMINATION

There is a light concentration of water present in the fluid.

FLUID CONDITION

The fluid viscosity is higher than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0038142	LEC0029096	---
Sample Date		Client Info		26 Jul 2023	07 Apr 2022	---
Machine Age	hrs	Client Info		17447	15192	---
Oil Age	hrs	Client Info		2255	15192	---
Filter Age	hrs	Client Info		500	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				ATTENTION	ABNORMAL	---
PQ		ASTM D8184		19	92	---
Iron	ppm	ASTM D5185m	>350	82	▲ 618	---
Chromium	ppm	ASTM D5185m	>5	2	2	---
Nickel	ppm	ASTM D5185m	>5	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	2	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>8	7	28	---
Lead	ppm	ASTM D5185m	>10	14	20	---
Copper	ppm	ASTM D5185m	>150	3	6	---
Tin	ppm	ASTM D5185m	>5	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>400	12	358	---
Potassium	ppm	ASTM D5185m	>20	4	27	---
Water	%	ASTM D6304	>0.2	▲ 0.299	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 2990	---	---
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	>0.2	0.2%	NEG	---
Sodium	ppm	ASTM D5185m		3	196	---
Boron	ppm	ASTM D5185m	6	46	6	---
Barium	ppm	ASTM D5185m	0	0	<1	---
Molybdenum	ppm	ASTM D5185m	0	172	21	---
Manganese	ppm	ASTM D5185m		2	7	---
Magnesium	ppm	ASTM D5185m	145	607	20	---
Calcium	ppm	ASTM D5185m	3570	1876	1188	---
Phosphorus	ppm	ASTM D5185m	1290	959	848	---
Zinc	ppm	ASTM D5185m	1640	1211	835	---
Sulfur	ppm	ASTM D5185m		4394	2885	---
Visc @ 40°C	cSt	ASTM D445	57.0	● 123	45.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0038142 **Received** : 08 Sep 2023
Lab Number : 05945971 **Tested** : 12 Sep 2023
Unique Number : 10641930 **Diagnosed** : 12 Sep 2023 - Don Baldrige
Test Package : CONST (Additional Tests: KF, PQ)

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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)