



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 944K 1DW944KXHHE684351

Component
Diesel Engine

Fluid
CHEVRON 15W40 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0194748	JR0186942	---
Sample Date		Client Info		11 Jan 2024	25 Oct 2023	---
Machine Age	hrs	Client Info		9249	9050	---
Oil Age	hrs	Client Info		200	250	---
Filter Age	hrs	Client Info		200	250	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				ABNORMAL	SEVERE	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	27	▲ 74	---
Chromium	ppm	ASTM D5185m	>11	<1	2	---
Nickel	ppm	ASTM D5185m	>5	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>31	3	▲ 9	---
Lead	ppm	ASTM D5185m	>26	2	7	---
Copper	ppm	ASTM D5185m	>26	10	▲ 40	---
Tin	ppm	ASTM D5185m	>4	<1	3	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

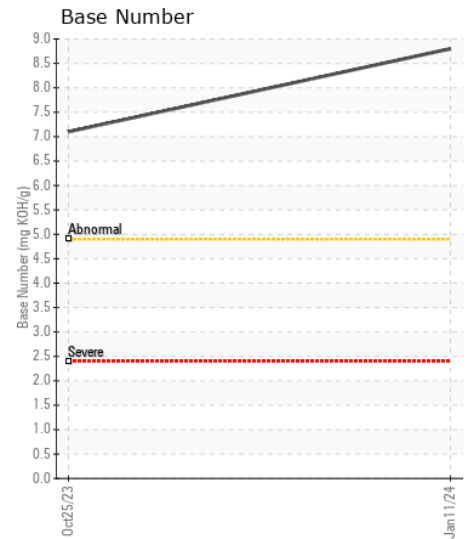
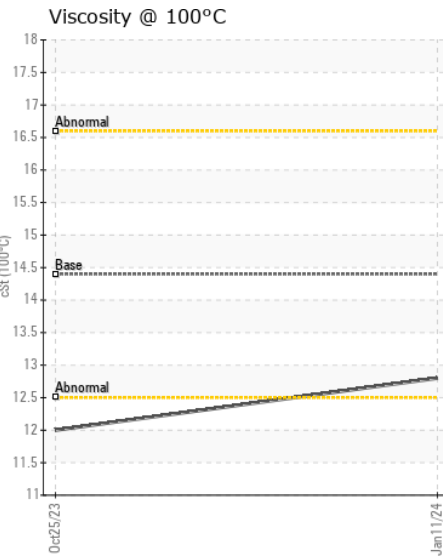
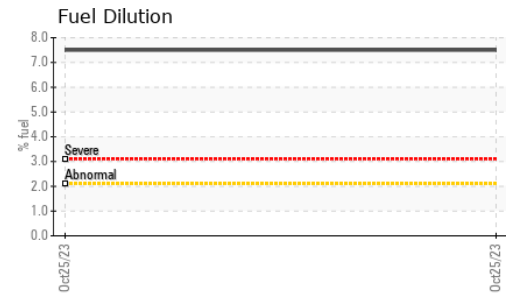
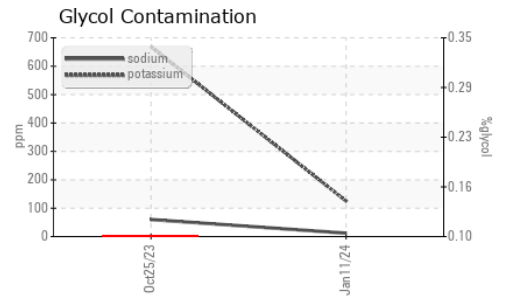
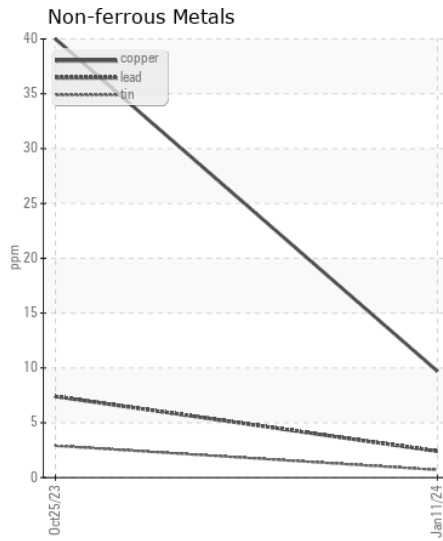
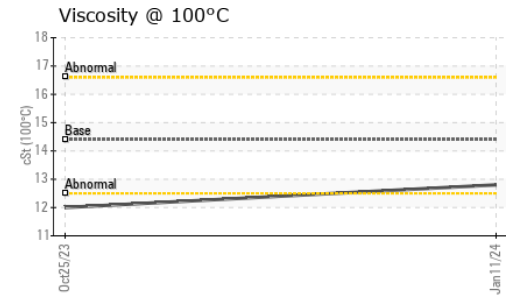
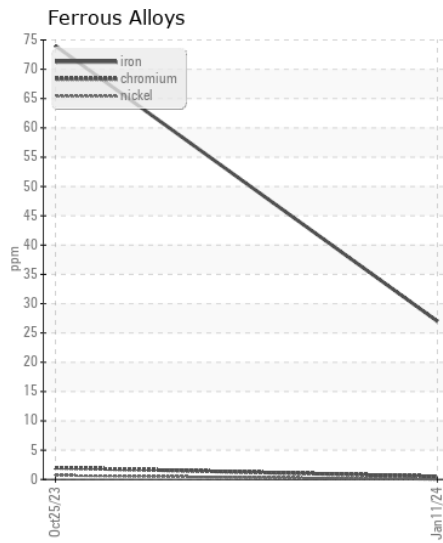
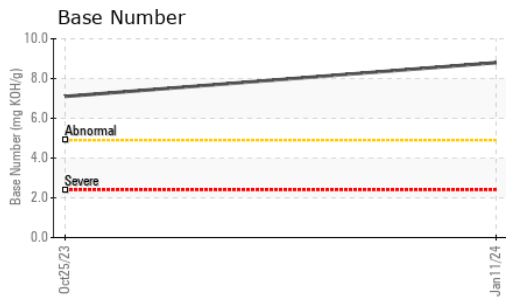
Sodium and/or potassium levels remain high. Test for glycol is negative.

Silicon	ppm	ASTM D5185m	>22	7	▲ 22	---
Potassium	ppm	ASTM D5185m	>20	▲ 125	▲ 669	---
Fuel	%	ASTM D3524	>2.1	<1.0	▲ 7.5	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol	%	*ASTM D2982		NEG	🔴 0.10	---
Soot %	%	*ASTM D7844	>3	0.8	1.9	---
Nitration	Abs/cm	*ASTM D7624	>20	6.7	10.8	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9	23.3	---
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	>0.21	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>50	12	▲ 60	---
Boron	ppm	ASTM D5185m		13	3	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		65	74	---
Manganese	ppm	ASTM D5185m		<1	1	---
Magnesium	ppm	ASTM D5185m		872	732	---
Calcium	ppm	ASTM D5185m		1109	962	---
Phosphorus	ppm	ASTM D5185m		934	708	---
Zinc	ppm	ASTM D5185m		1208	1003	---
Sulfur	ppm	ASTM D5185m		3099	2710	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.9	16.1	---
Base Number (BN)	mg KOH/g	ASTM D2896		8.8	7.10	---
Visc @ 100°C	cSt	ASTM D445	14.4	12.8	12.00	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0194748 **Received** : 17 Jan 2024
Lab Number : 06062468 **Diagnosed** : 18 Jan 2024
Unique Number : 10833850 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: PercentFuel, TBN)

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)

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