



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id  
**KIOTI CK2610 XL9500860**  
 Component  
**Diesel Engine**  
 Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

## RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

## WEAR

All component wear rates are normal.

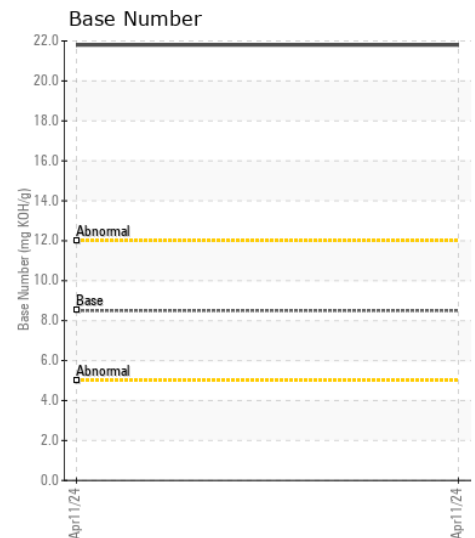
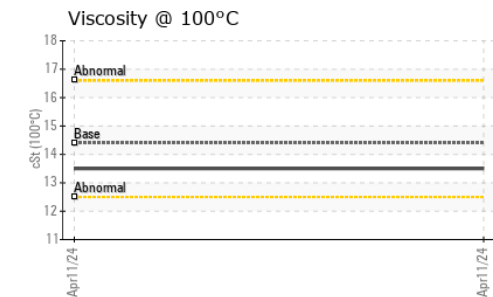
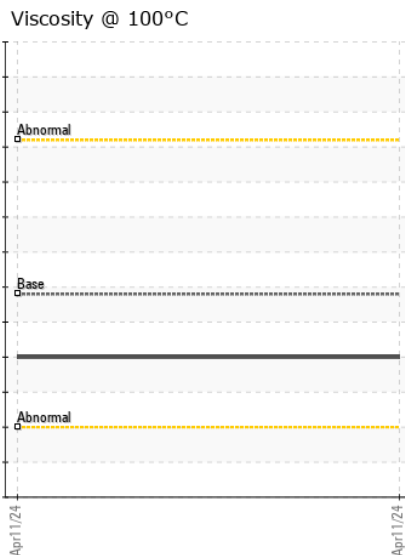
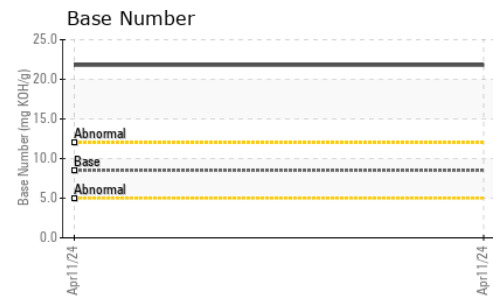
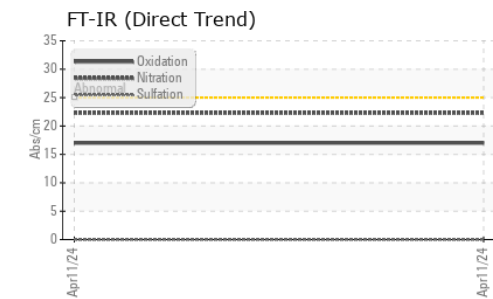
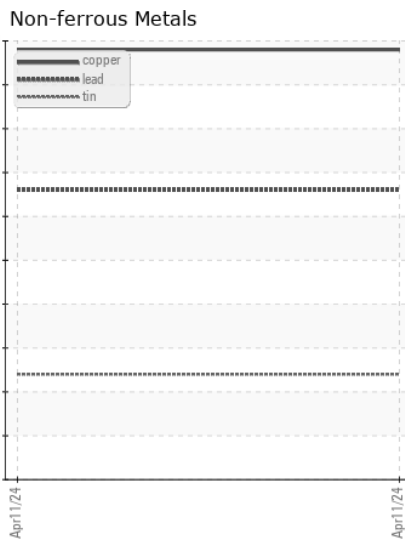
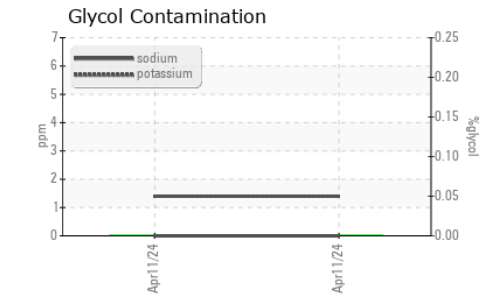
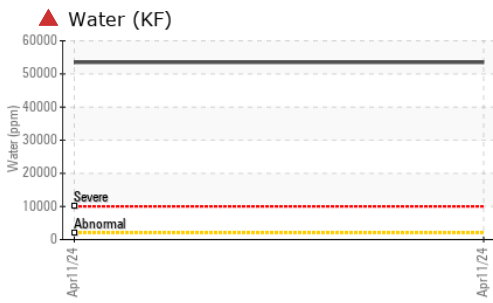
## CONTAMINATION

Appearance is milky. There is a high concentration of water present in the oil. Test for glycol is negative.

## FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>KT0000883</b>	---	---
Sample Date		Client Info		<b>11 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>253</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>SEVERE</b>	---	---
Iron	ppm	ASTM D5185m	>100	<b>31</b>	---	---
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	---	---
Lead	ppm	ASTM D5185m	>40	<b>7</b>	---	---
Copper	ppm	ASTM D5185m	>330	<b>10</b>	---	---
Tin	ppm	ASTM D5185m	>15	<b>2</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silicon	ppm	ASTM D5185m	>25	<b>8</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	---	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	---	---
Water	%	ASTM D6304	>0.2	<b>▲ 5.35</b>	---	---
ppm Water	ppm	ASTM D6304	>2000	<b>▲ 53500</b>	---	---
Glycol	%	*ASTM D2982		<b>0.0</b>	---	---
Soot %	%	*ASTM D7844	>3	<b>0.3</b>	---	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>22.3</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>0.0</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>● MILKY</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.2	<b>▲ 0.2%</b>	---	---
Sodium	ppm	ASTM D5185m	>158	<b>0</b>	---	---
Boron	ppm	ASTM D5185m	250	<b>39</b>	---	---
Barium	ppm	ASTM D5185m	10	<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185m	100	<b>58</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	450	<b>59</b>	---	---
Calcium	ppm	ASTM D5185m	3000	<b>1412</b>	---	---
Phosphorus	ppm	ASTM D5185m	1150	<b>627</b>	---	---
Zinc	ppm	ASTM D5185m	1350	<b>912</b>	---	---
Sulfur	ppm	ASTM D5185m	4250	<b>3305</b>	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.0</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	<b>21.8</b>	---	---
Visc @ 100°C	cSt	ASTM D445	14.4	<b>13.5</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KT0000883 **Received** : 15 Apr 2024  
**Lab Number** : 06149471 **Tested** : 17 Apr 2024  
**Unique Number** : 10979549 **Diagnosed** : 17 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: Glycol, KF, 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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