



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**KIOTI KT-2794 (S/N VR7600106)**  
 Component  
**Diesel Engine**  
 Fluid  
**SAE 10W30 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>KT0001028</b>	---	---
Sample Date		Client Info		<b>15 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>1880</b>	---	---
Oil Age	hrs	Client Info		<b>631</b>	---	---
Filter Age	hrs	Client Info		<b>631</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>26</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>6</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>330	<b>16</b>	---	---
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

## CONTAMINATION

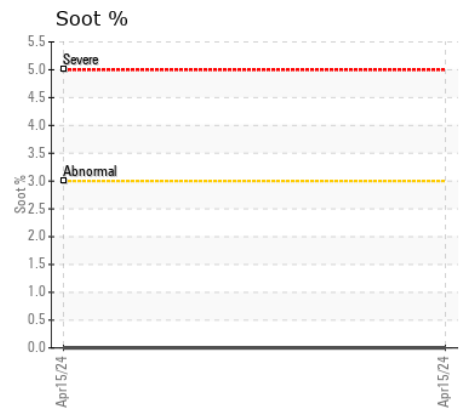
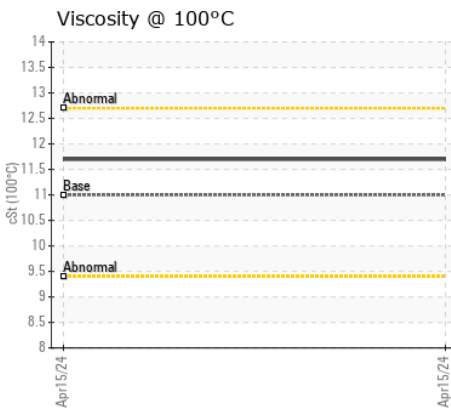
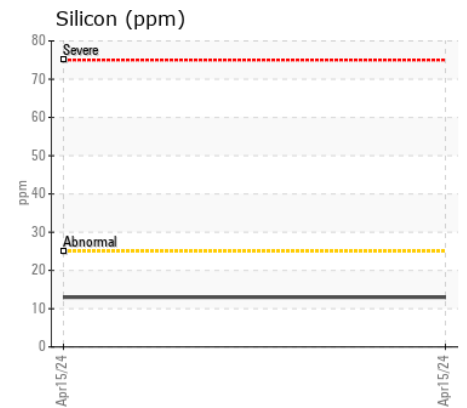
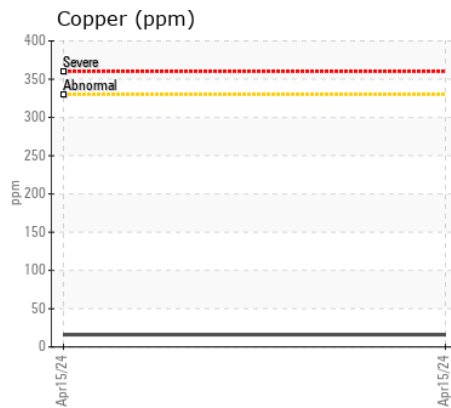
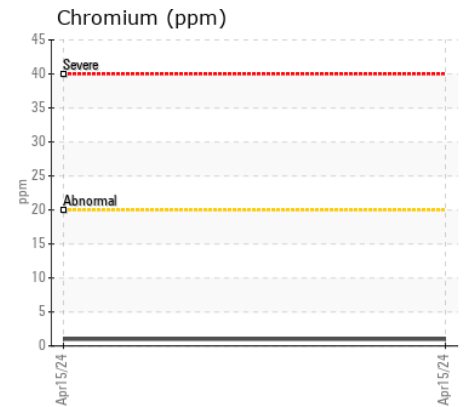
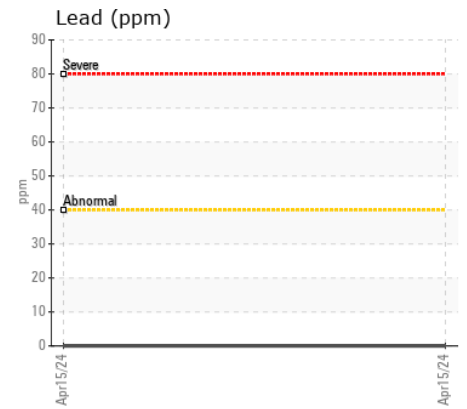
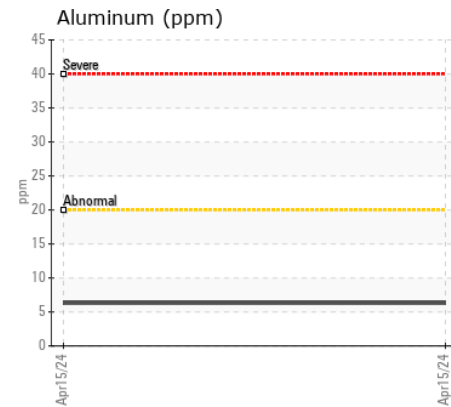
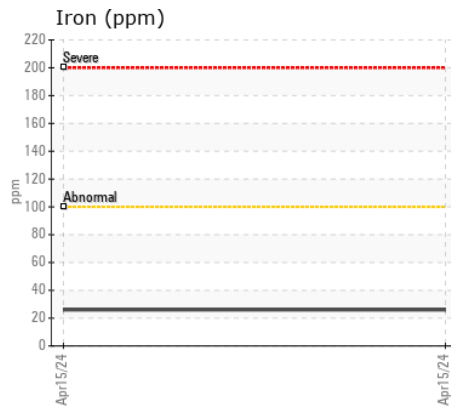
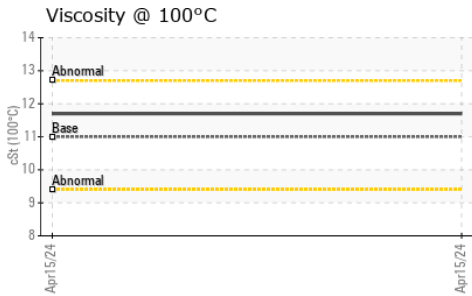
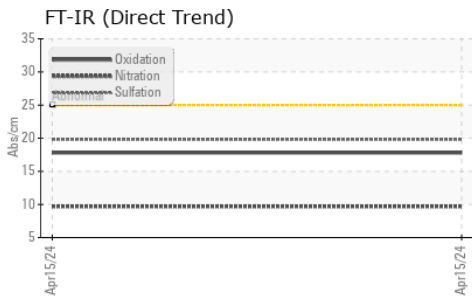
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>13</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*	>3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.7</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.8</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>228	<b>3</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>10</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>58</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>988</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>1035</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>987</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>1206</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>2450</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>17.8</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	<b>11.7</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : KT0001028 **Received** : 18 Apr 2024  
**Lab Number** : 02629894 **Tested** : 18 Apr 2024  
**Unique Number** : 5763026 **Diagnosed** : 18 Apr 2024 - Wes Davis  
**Test Package** : MOB 1

**Distribution Payeur Inc**  
 5379 RTE 112  
 Ascot Corner, QC  
 CA J0B 1A0  
 Contact: David  
 david@payeur.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

T:  
F: