



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**VOLVO VNL860 3007 (S/N RN654173)**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON UHP 5W30 (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>DE0000655</b>	DE0000651	---
Sample Date		Client Info		<b>09 Apr 2024</b>	07 Feb 2024	---
Machine Age	mls	Client Info		<b>71818</b>	42892	---
Oil Age	mls	Client Info		<b>28926</b>	28088	---
Filter Age	mls	Client Info		<b>28926</b>	28088	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	<b>23</b>	27	---
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	<1	---
Nickel	ppm	ASTM D5185m	>2	<b>4</b>	2	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185m	>25	<b>11</b>	23	---
Lead	ppm	ASTM D5185m	>40	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>330	<b>109</b>	136	---
Tin	ppm	ASTM D5185m	>15	<b>2</b>	3	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

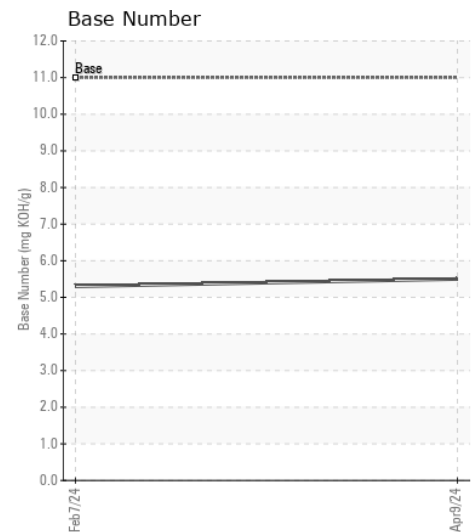
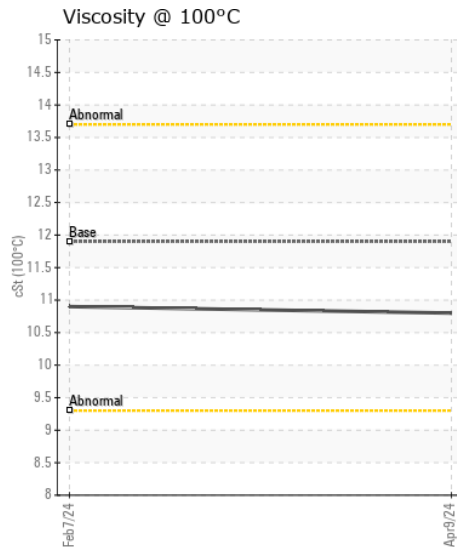
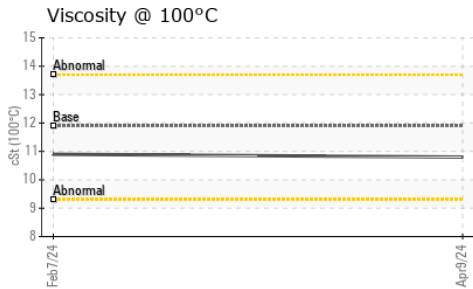
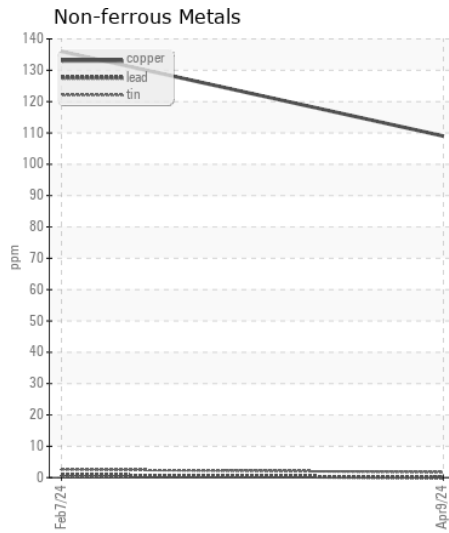
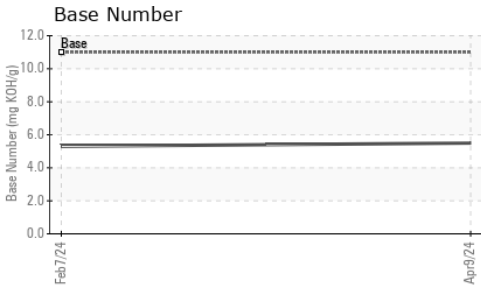
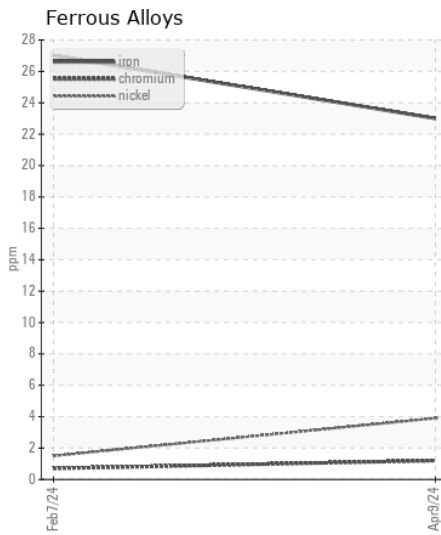
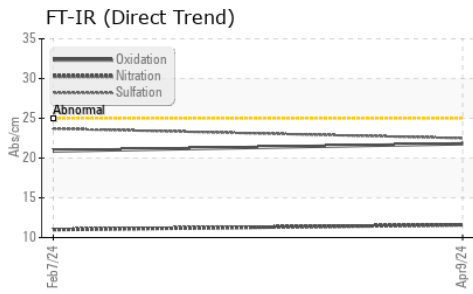
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>21</b>	18	---
Potassium	ppm	ASTM D5185m	>20	<b>22</b>	63	---
Fuel		WC Method	>6.0	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.3</b>	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.6</b>	11.0	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.5</b>	23.7	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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		<b>4</b>	0	---
Boron	ppm	ASTM D5185m	0	<b>13</b>	42	---
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	13	---
Molybdenum	ppm	ASTM D5185m	64	<b>52</b>	25	---
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	---
Magnesium	ppm	ASTM D5185m	1160	<b>992</b>	701	---
Calcium	ppm	ASTM D5185m	820	<b>919</b>	1348	---
Phosphorus	ppm	ASTM D5185m	1160	<b>872</b>	718	---
Zinc	ppm	ASTM D5185m	1260	<b>1135</b>	836	---
Sulfur	ppm	ASTM D5185m	3000	<b>2599</b>	2721	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>21.8</b>	20.9	---
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	<b>5.5</b>	5.3	---
Visc @ 100°C	cSt	ASTM D445	11.9	<b>10.8</b>	10.9	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : DE0000655

**Lab Number** : 06156630

**Unique Number** : 10992053

**Test Package** : FLEET

**Received** : 22 Apr 2024

**Tested** : 29 May 2024

**Diagnosed** : 29 May 2024 - Doug Bogart

**US COMMERCIAL FREIGHT**

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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)