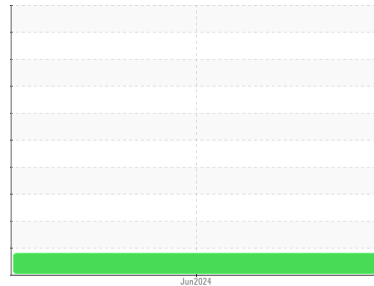




# OIL ANALYSIS REPORT

## Sample Rating Trend



**WEAR**



Area

**Stoneway Concrete Renton**

Machine Id

**[Stoneway Concrete Renton] 10-540**

Component

**Diesel Engine**

Fluid

{not provided} (--- GAL)

### DIAGNOSIS

#### ▲ Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

#### ▲ Wear

Cylinder, crank, or cam shaft wear is indicated.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PE0002061</b>	---	---
Sample Date	Client Info			<b>17 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>2175</b>	---	---
Oil Age	hrs	Client Info		<b>2175</b>	---	---
Oil Changed	Client Info			<b>Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method	>0.2		<b>NEG</b>	---	---
Glycol	WC Method			<b>NEG</b>	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	<b>▲ 102</b>	---	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m	>20	<b>18</b>	---	---
Lead	ppm	ASTM D5185m	>40	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>330	<b>74</b>	---	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>20</b>	---	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>16</b>	---	---
Manganese	ppm	ASTM D5185m		<b>3</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>586</b>	---	---
Calcium	ppm	ASTM D5185m		<b>1679</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>895</b>	---	---
Zinc	ppm	ASTM D5185m		<b>1115</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>3386</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>11</b>	---	---
Sodium	ppm	ASTM D5185m		<b>5</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>53</b>	---	---
Fuel	%	ASTM D3524	>5	<b>&lt;1.0</b>	---	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.6</b>	---	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>13.4</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>28.8</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>27.4</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>3.8</b>	---	---

