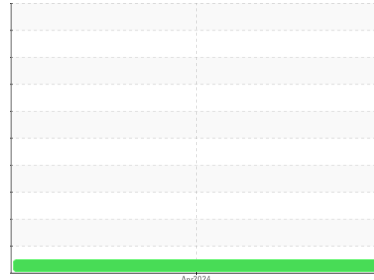




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

[142229]

Machine Id

**DORMAN WILSON ST PS**

Component

**Diesel Engine**

Fluid

**SAE 15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

Metal levels are typical for a new component breaking in.

### 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 suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0919650</b>	---	---
Sample Date	Client Info		<b>02 Apr 2024</b>	---	---
Machine Age	hrs	Client Info	<b>207</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<b>&lt;1.0</b>	---	---
Water	WC Method	>0.1	<b>NEG</b>	---	---
Glycol	WC Method		<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>80	<b>7</b>	---
Chromium	ppm	ASTM D5185(m)	>6	<b>0</b>	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	---
Titanium	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	---
Lead	ppm	ASTM D5185(m)	>95	<b>&lt;1</b>	---
Copper	ppm	ASTM D5185(m)	>85	<b>5</b>	---
Tin	ppm	ASTM D5185(m)	>9	<b>0</b>	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>15</b>	---
Barium	ppm	ASTM D5185(m)		<b>3</b>	---
Molybdenum	ppm	ASTM D5185(m)		<b>10</b>	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---
Magnesium	ppm	ASTM D5185(m)		<b>20</b>	---
Calcium	ppm	ASTM D5185(m)		<b>2259</b>	---
Phosphorus	ppm	ASTM D5185(m)		<b>829</b>	---
Zinc	ppm	ASTM D5185(m)		<b>953</b>	---
Sulfur	ppm	ASTM D5185(m)		<b>2871</b>	---
Lithium	ppm	ASTM D5185(m)		<b>1</b>	---

## CONTAMINANTS

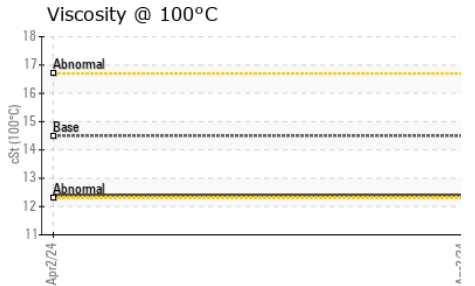
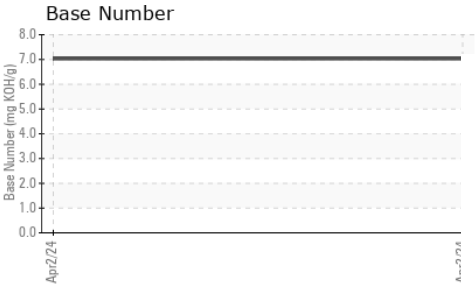
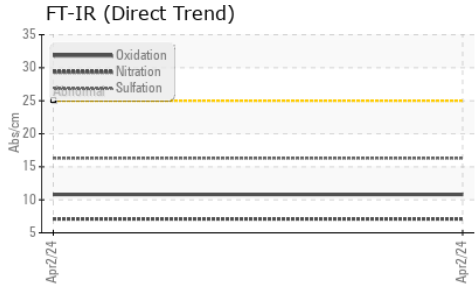
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>5</b>	---
Sodium	ppm	ASTM D5185(m)	>57	<b>5</b>	---
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		<b>0</b>	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.1</b>	---
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>16.3</b>	---



# OIL ANALYSIS REPORT

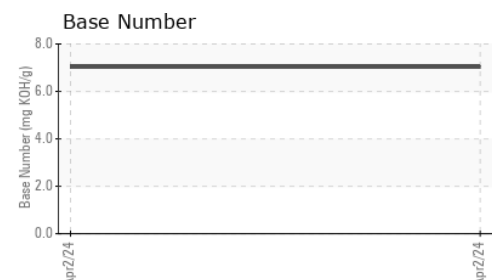
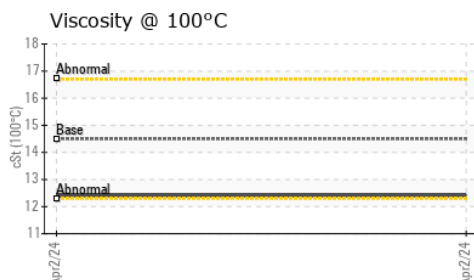
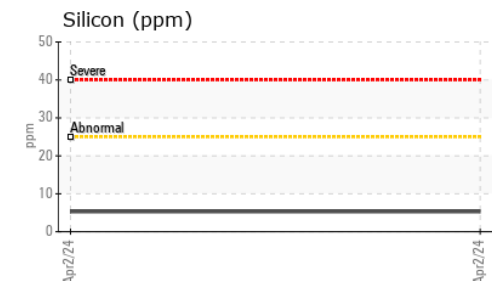
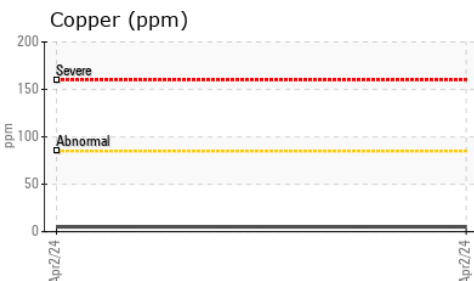
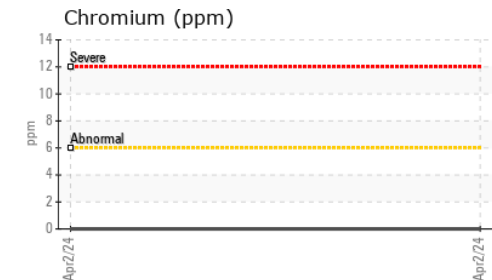
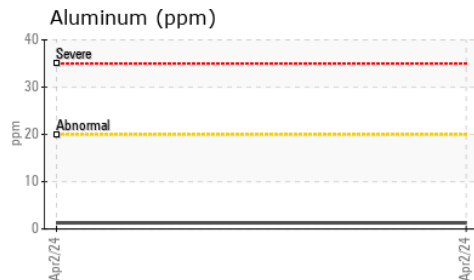
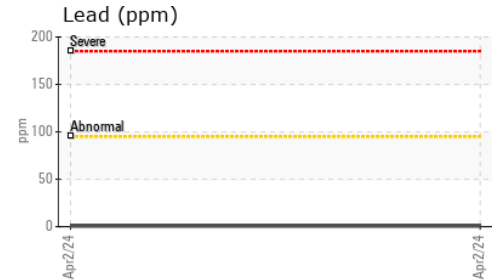
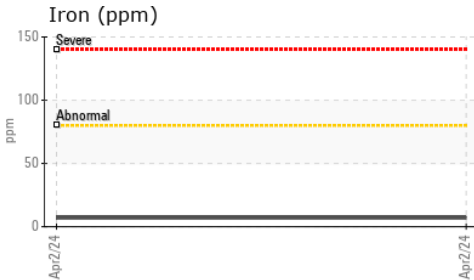


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>10.8</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>7.03</b>	---	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	---	---
Free Water	scalar	Visual*		<b>NEG</b>	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	<b>12.4</b>	---	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0919650      **Received** : 15 Apr 2024  
**Lab Number** : **02628679**      **Tested** : 16 Apr 2024  
**Unique Number** : 5761811      **Diagnosed** : 16 Apr 2024 - Wes Davis  
**Test Package** : MOB 2

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.

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