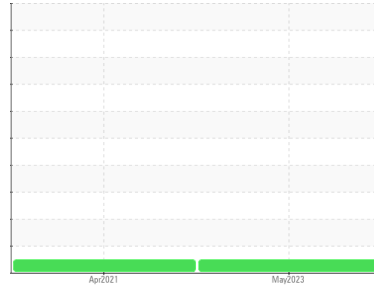




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**VOLVO PENTA C0424**  
 Component  
**Diesel Engine**  
 Fluid  
**DISEL ENGINE OIL 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 condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number	Client Info			<b>WC0634090</b>	WC0510711	---
Sample Date	Client Info			<b>02 May 2023</b>	06 Apr 2021	---
Machine Age	hrs	Client Info		<b>152</b>	130	---
Oil Age	hrs	Client Info		<b>12</b>	0	---
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history 1	history 2
Fuel	WC Method	>4.0		<b>&lt;1.0</b>	<1.0	---
Glycol	WC Method			<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185(m)	>120	<b>1</b>	2	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>300	<b>4</b>	10	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185(m)	250	<b>8</b>	61	---
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>3</b>	23	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	450	<b>33</b>	220	---
Calcium	ppm	ASTM D5185(m)	3000	<b>2123</b>	1973	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>926</b>	912	---
Zinc	ppm	ASTM D5185(m)	1350	<b>958</b>	1087	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2991</b>	3205	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

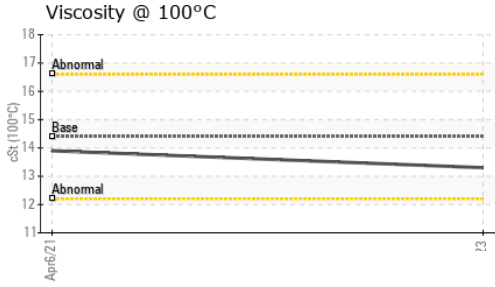
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	5	---
Sodium	ppm	ASTM D5185(m)	>158	<b>2</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	---

INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	ASTM D7844*		<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.3</b>	6.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>15.2</b>	17.8	---

FLUID DEGRADATION		method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>8.9</b>	12.4	---



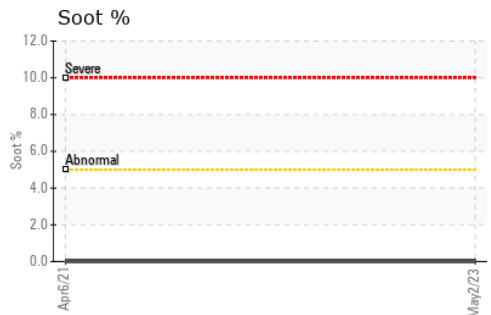
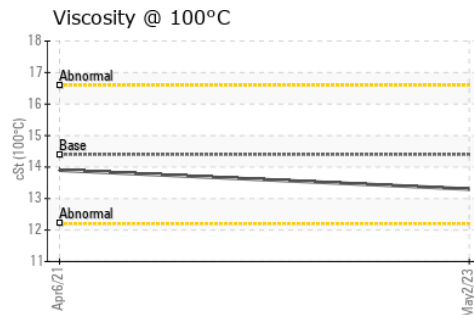
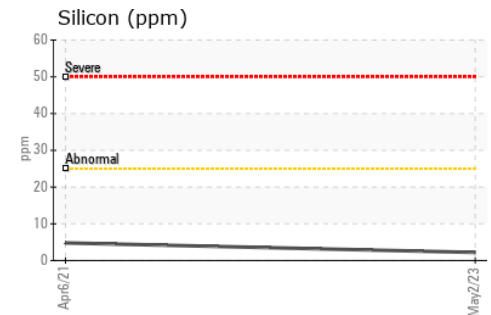
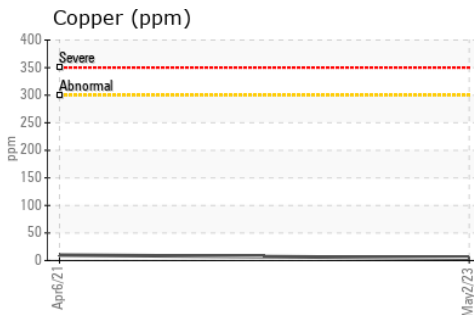
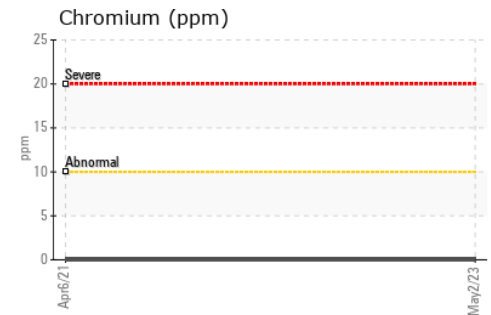
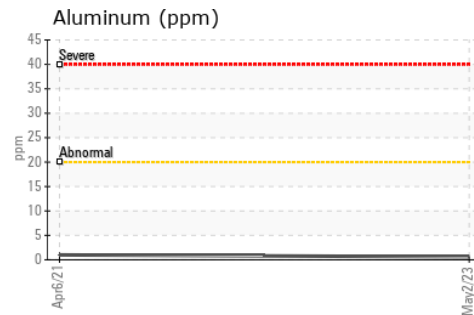
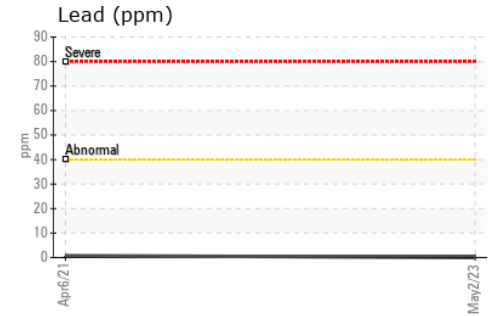
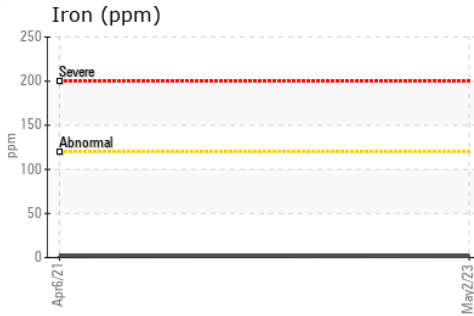
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history 1	history 2
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.3	13.9

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0634090      **Received** : 20 Jun 2023  
**Lab Number** : 02565204      **Diagnosed** : 21 Jun 2023  
**Unique Number** : 5594245      **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**GENCARE SERVICES LTD.**  
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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.