



# VOLVO

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**LKQ CANADA AUTO PARTS INC [390106]**

Machine Id  
**VOLVO L90H 623925**

Component  
**Diesel Engine**

Fluid  
**VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (--- GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP391997</b>	---	---
Sample Date		Client Info		<b>05 Jan 2024</b>	---	---
Machine Age	hrs	Client Info		<b>11982</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>7</b>	---	---
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>3</b>	---	---
Lead	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>15	<b>1</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

### CONTAMINATION

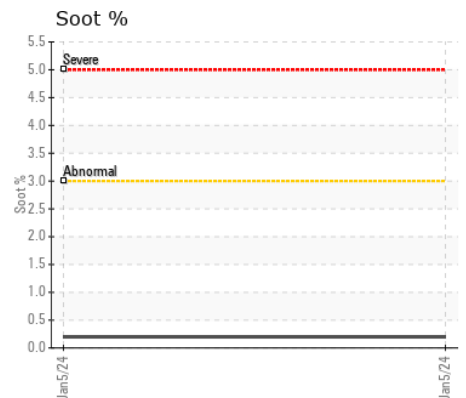
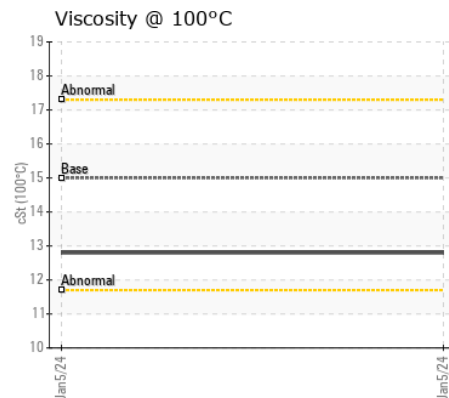
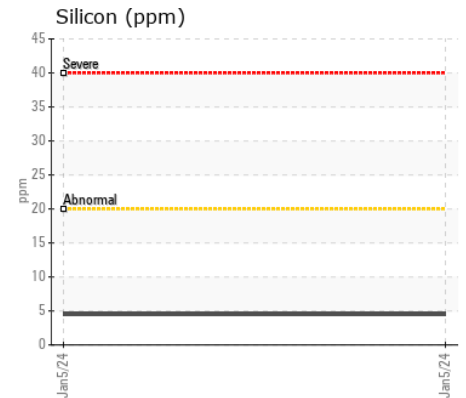
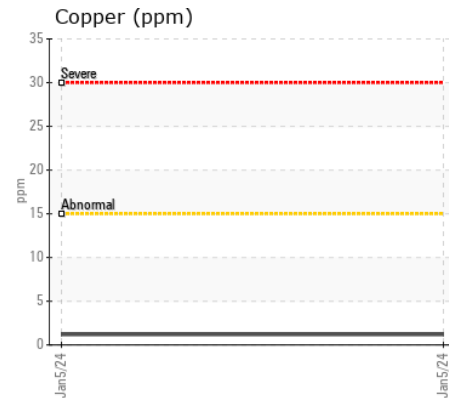
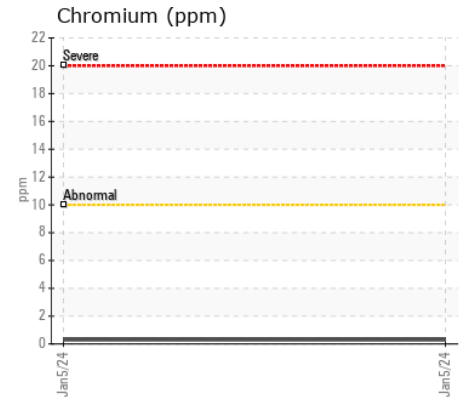
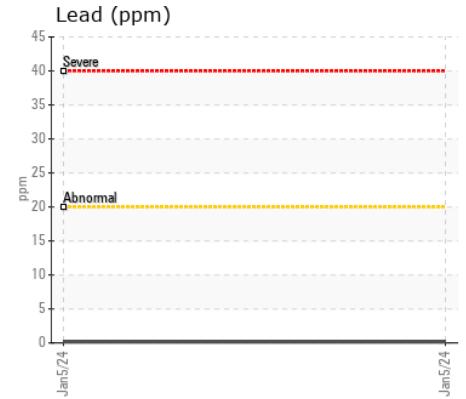
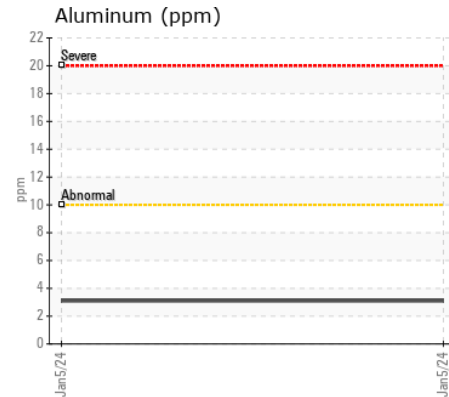
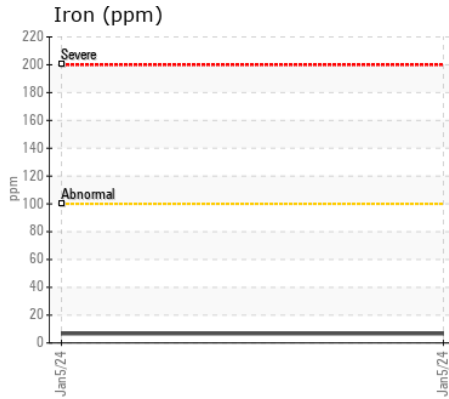
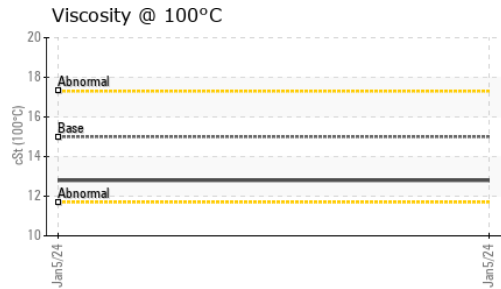
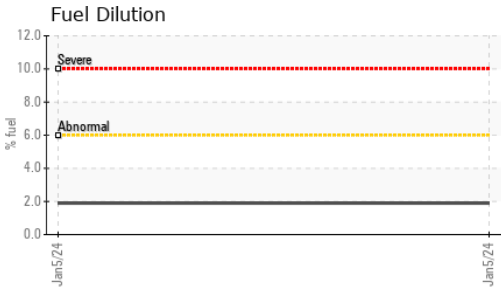
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>20	<b>4</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Fuel	%	ASTM D7593*	>6.0	<b>1.9</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*	>3	<b>0.2</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.2</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.5</b>	---	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	---	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>3</b>	---	---
Boron	ppm	ASTM D5185(m)	2.5	<b>30</b>	---	---
Barium	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	0.7	<b>35</b>	---	---
Manganese	ppm	ASTM D5185(m)	0.0	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	256	<b>509</b>	---	---
Calcium	ppm	ASTM D5185(m)	2057	<b>1646</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	935	<b>922</b>	---	---
Zinc	ppm	ASTM D5185(m)	1223	<b>1082</b>	---	---
Sulfur	ppm	ASTM D5185(m)	4079	<b>2574</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.9</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	<b>12.8</b>	---	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP391997 **Received** : 08 Jan 2024  
**Lab Number** : 02606992 **Diagnosed** : 10 Jan 2024  
**Unique Number** : 5708078 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: FUELDILUTION, PercentFuel )

**STRONGCO EQUIPMENT INC.**  
 1640 ENTERPRISE ROAD  
 MISSISSAUGA, ON  
 CA L4W 4L4  
 Contact: Jamal Harvey  
 jharvey@strongco.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.

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