



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[8-388522]**  
 Machine Id  
**16-8902**  
 Component  
**Diesel Engine**  
 Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP393184</b>	VCP430269	VCP353460
Sample Date		Client Info		<b>18 Dec 2023</b>	26 Sep 2023	07 Jun 2023
Machine Age	hrs	Client Info		<b>9033</b>	8489	7953
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	<b>3</b>	3	3
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>30	<b>1</b>	1	2
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	2
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

### CONTAMINATION

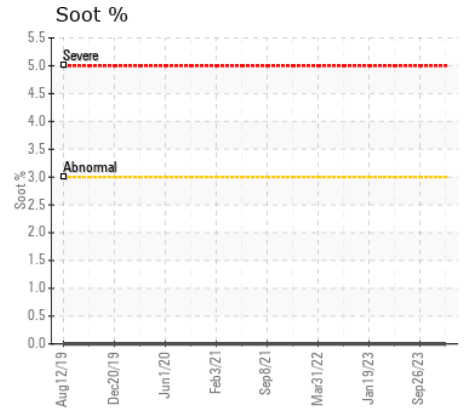
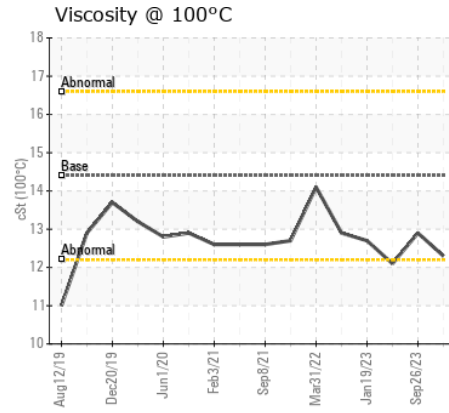
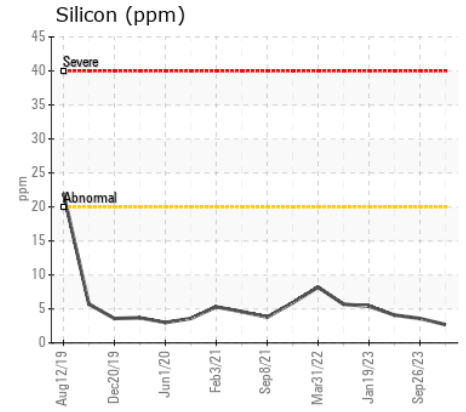
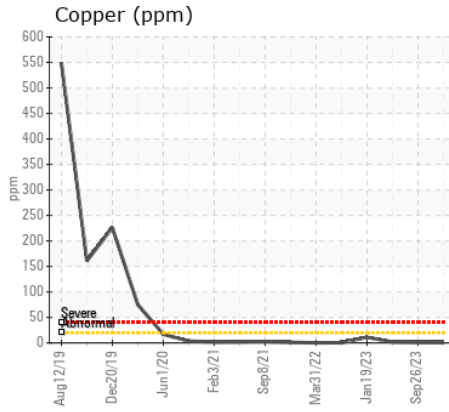
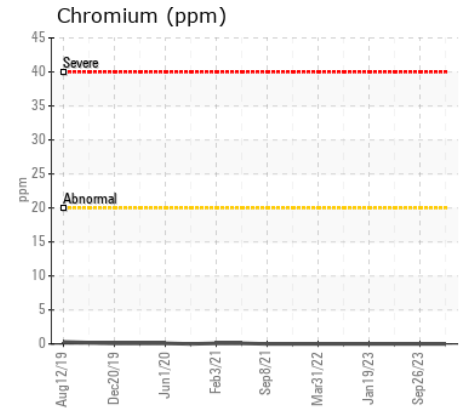
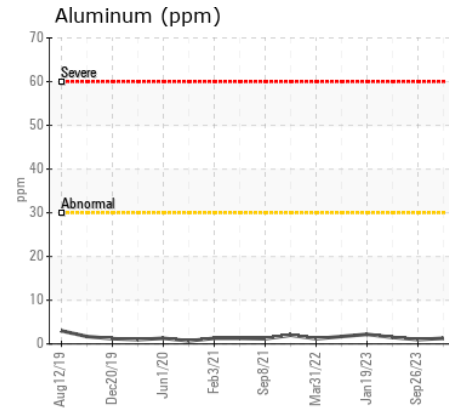
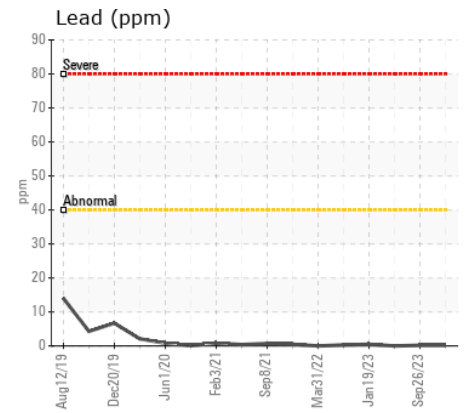
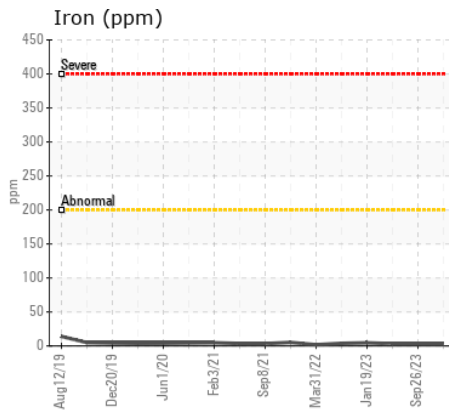
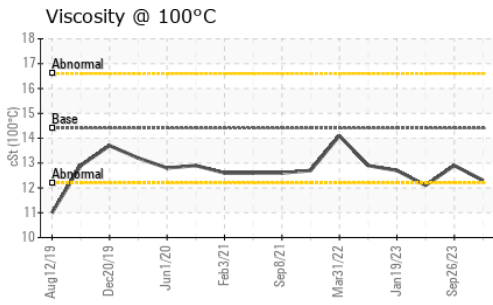
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	<b>3</b>	4	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Fuel		WC Method	>6.0	<b>&lt;1.0</b>	<1.0	1.8
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.0</b>	6.3	6.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.7</b>	22.2	22.2
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>158	<b>2</b>	2	2
Boron	ppm	ASTM D5185(m)	250	<b>44</b>	41	54
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	100	<b>38</b>	40	37
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	450	<b>492</b>	521	486
Calcium	ppm	ASTM D5185(m)	3000	<b>1657</b>	1609	1782
Phosphorus	ppm	ASTM D5185(m)	1150	<b>907</b>	919	973
Zinc	ppm	ASTM D5185(m)	1350	<b>1030</b>	1076	1071
Sulfur	ppm	ASTM D5185(m)	4250	<b>2516</b>	2402	2481
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>20.8</b>	19.8	20.0
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>12.3</b>	12.9	12.1



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP393184 **Received** : 22 Jan 2024  
**Lab Number** : 02610168 **Diagnosed** : 22 Jan 2024  
**Unique Number** : 5711254 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**CRH CANADA GROUP INC.**  
 P.O. BOX 5400  
 CONCORD, ON  
 CA L4K 1B6  
 Contact: Dan Brown  
 dan.brown@ca.crh.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.

T:  
F: