



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
CITY OF GUELPH [392588]
 Machine Id
VOLVO PENTA L110H 632544
 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		VCP449490	---	---
Sample Date		Client Info		02 Feb 2024	---	---
Machine Age	hrs	Client Info		1088	---	---
Oil Age	hrs	Client Info		1088	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

Metal levels are typical for a components first oil change.

Iron	ppm	ASTM D5185(m)	>80	34	---	---
Chromium	ppm	ASTM D5185(m)	>6	4	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	1	---	---
Aluminum	ppm	ASTM D5185(m)	>20	55	---	---
Lead	ppm	ASTM D5185(m)	>95	3	---	---
Copper	ppm	ASTM D5185(m)	>85	16	---	---
Tin	ppm	ASTM D5185(m)	>9	3	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

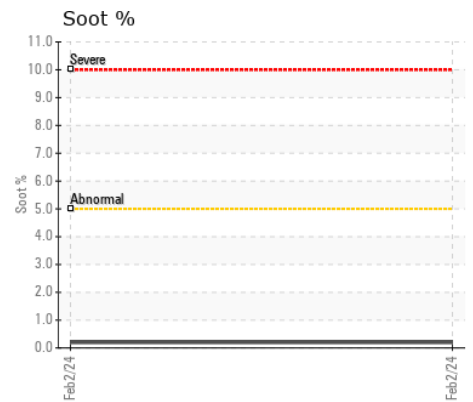
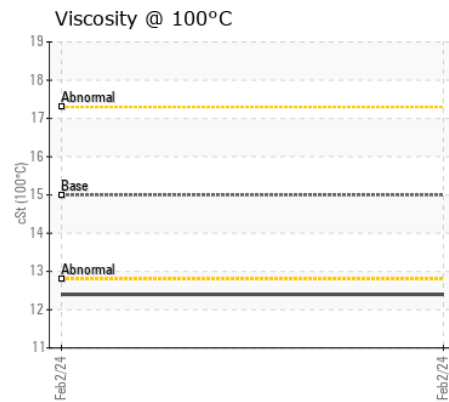
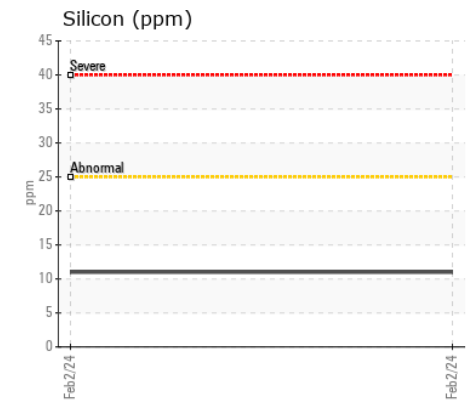
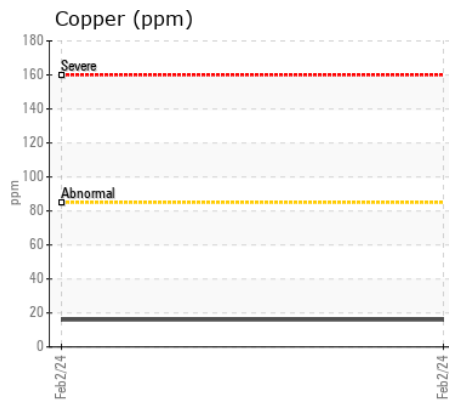
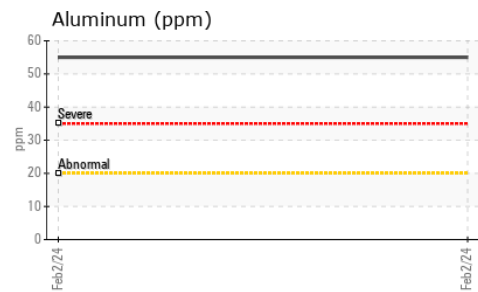
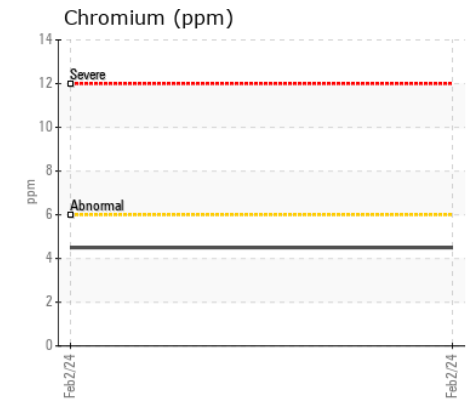
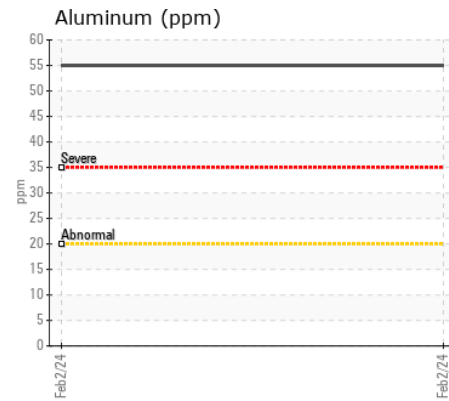
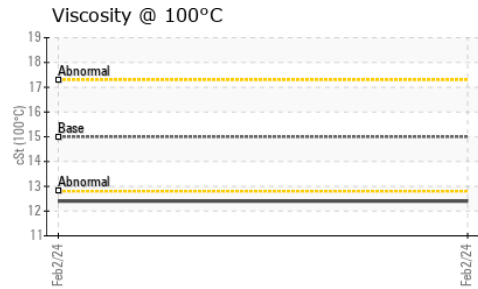
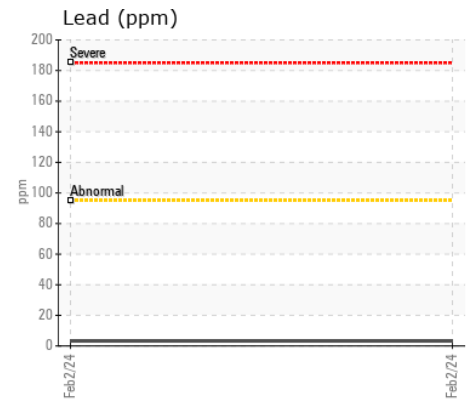
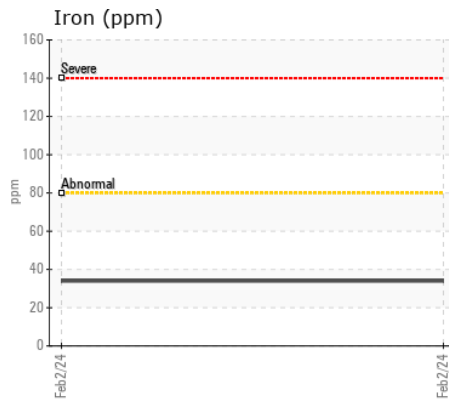
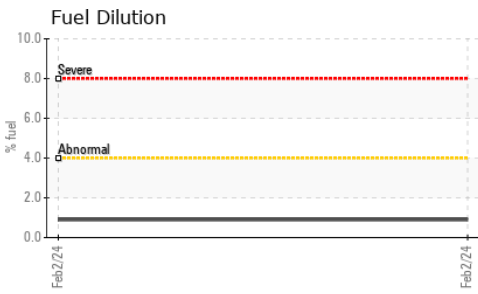
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	11	---	---
Potassium	ppm	ASTM D5185(m)	>20	3	---	---
Fuel	%	ASTM D7593*	>4.0	0.9	---	---
Water		WC Method	>0.1	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0.2	---	---
Nitration	Abs/cm	ASTM D7624*	>20	7.4	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.3	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		4	---	---
Boron	ppm	ASTM D5185(m)	2.5	42	---	---
Barium	ppm	ASTM D5185(m)	0.0	24	---	---
Molybdenum	ppm	ASTM D5185(m)	0.7	44	---	---
Manganese	ppm	ASTM D5185(m)	0.0	2	---	---
Magnesium	ppm	ASTM D5185(m)	256	615	---	---
Calcium	ppm	ASTM D5185(m)	2057	1537	---	---
Phosphorus	ppm	ASTM D5185(m)	935	957	---	---
Zinc	ppm	ASTM D5185(m)	1223	1068	---	---
Sulfur	ppm	ASTM D5185(m)	4079	3121	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.8	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	12.4	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : VCP449490

Lab Number : 02615928

Unique Number : 5733038

Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

Received : 15 Feb 2024

Tested : 16 Feb 2024

Diagnosed : 16 Feb 2024 - Kevin Marson

Strongco Equipment

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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.