



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
IMPACT AUTOS [401106]

Machine Id
VOLVO L90H 627071

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		VCP450492	---	---
Sample Date		Client Info		01 Apr 2024	---	---
Machine Age	hrs	Client Info		1014	---	---
Oil Age	hrs	Client Info		1000	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

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

CONTAMINATION

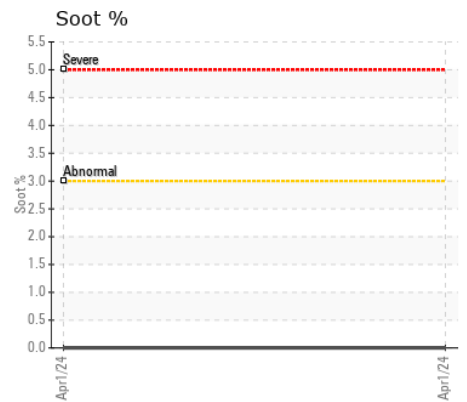
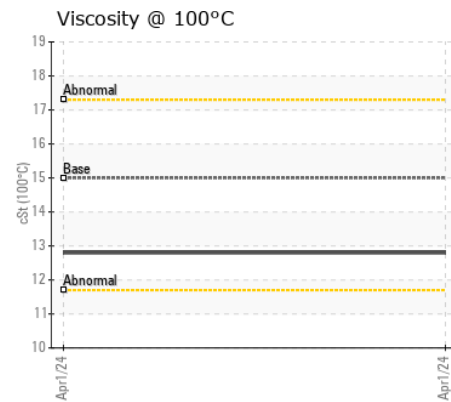
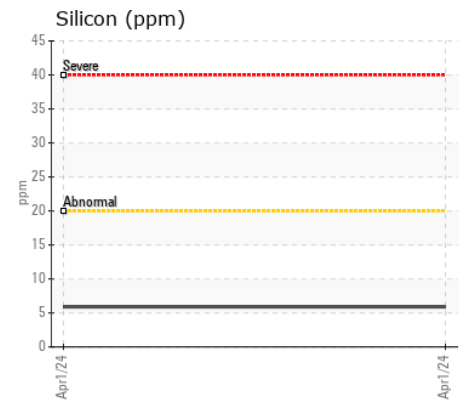
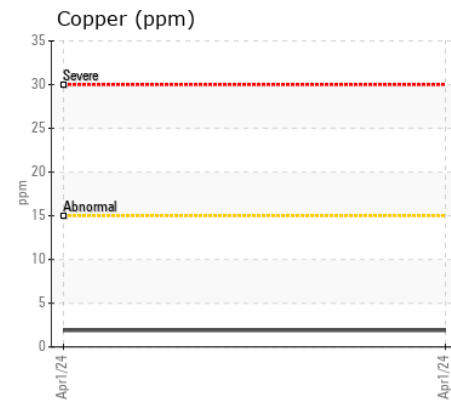
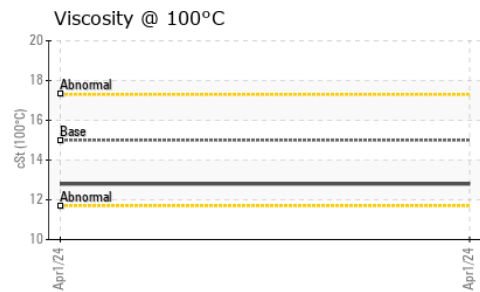
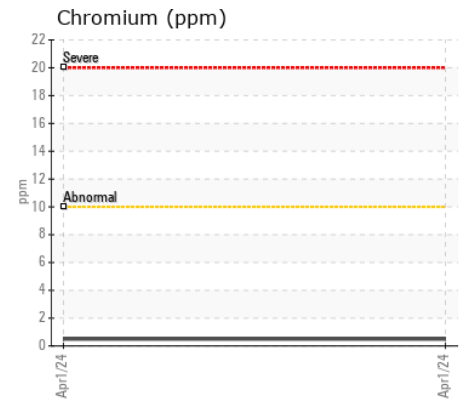
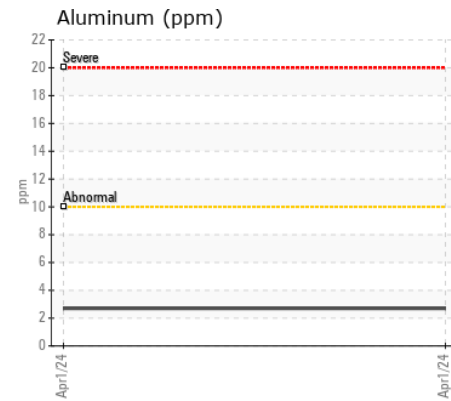
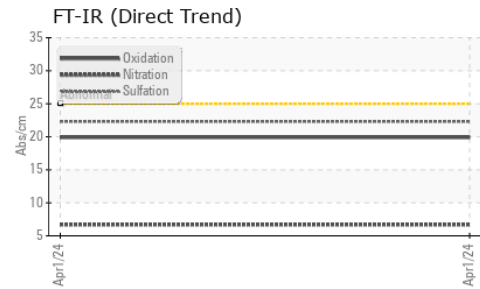
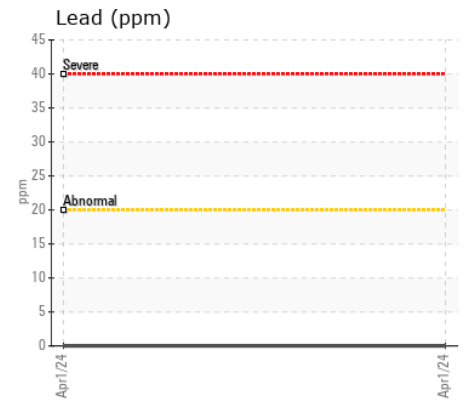
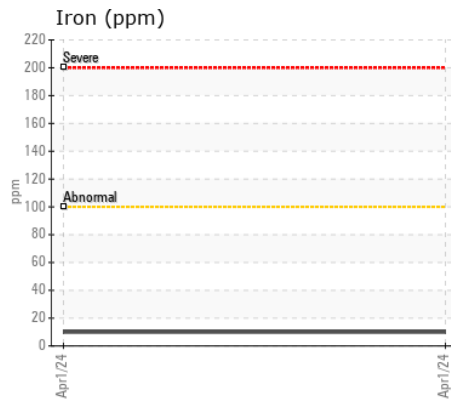
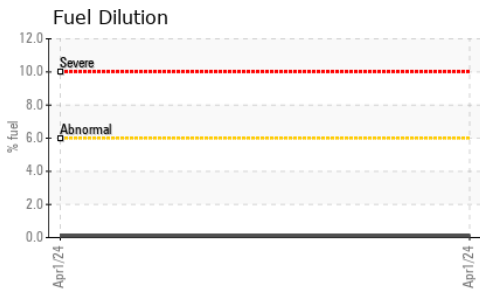
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	6	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel	%	ASTM D7593*	>6.0	0.1	---	---
Water		WC Method	>0.1	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	6.7	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.3	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)	2.5	47	---	---
Barium	ppm	ASTM D5185(m)	0.0	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	0.7	41	---	---
Manganese	ppm	ASTM D5185(m)	0.0	<1	---	---
Magnesium	ppm	ASTM D5185(m)	256	533	---	---
Calcium	ppm	ASTM D5185(m)	2057	1690	---	---
Phosphorus	ppm	ASTM D5185(m)	935	907	---	---
Zinc	ppm	ASTM D5185(m)	1223	1059	---	---
Sulfur	ppm	ASTM D5185(m)	4079	2360	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.9	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	12.8	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP450492 **Received** : 03 May 2024
Lab Number : 02633076 **Tested** : 07 May 2024
Unique Number : 5774229 **Diagnosed** : 07 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: FUELDILUTION, PercentFuel)

STRONGCO EQUIPMENT
 54 IBER ROAD
 OTTAWA, ON
 CA K2S 1E8
 Contact: Andrew Mclean
 amclean@strongco.com
 T: (613)836-6633
 F: (613)836-2614

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.