



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
STELLA JONES [400862]
Machine Id
VOLVO L120H 633465
Component
Diesel Engine
Fluid
VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP380358	VCP393832	---
Sample Date		Client Info		12 Apr 2024	12 Jan 2024	---
Machine Age	hrs	Client Info		1020	581	---
Oil Age	hrs	Client Info		500	500	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	12	32	---
Chromium	ppm	ASTM D5185(m)	>10	<1	4	---
Nickel	ppm	ASTM D5185(m)	>10	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>2	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>10	13	67	---
Lead	ppm	ASTM D5185(m)	>20	0	3	---
Copper	ppm	ASTM D5185(m)	>15	5	15	---
Tin	ppm	ASTM D5185(m)	>10	<1	3	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

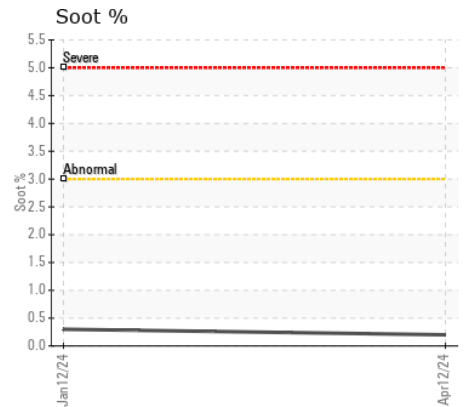
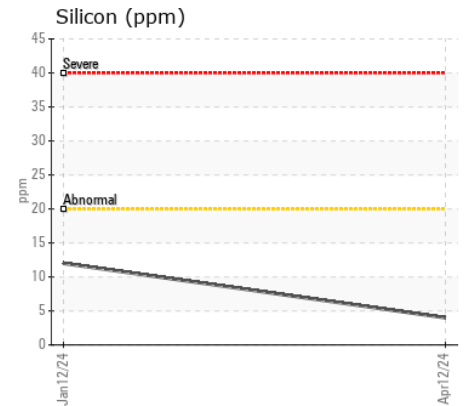
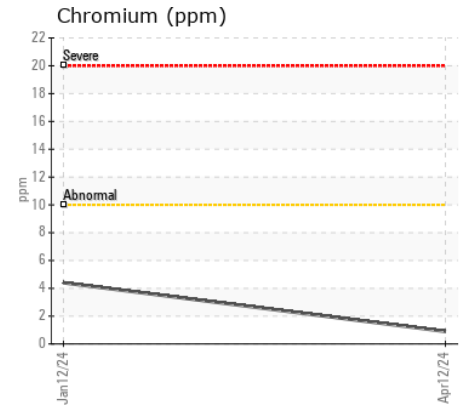
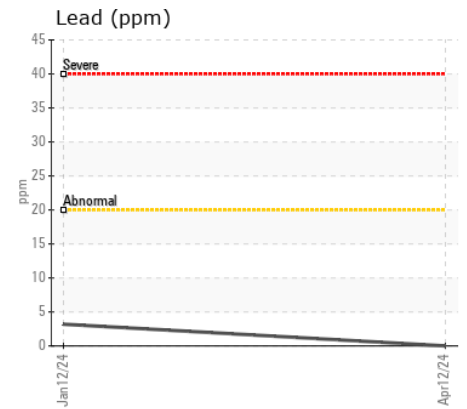
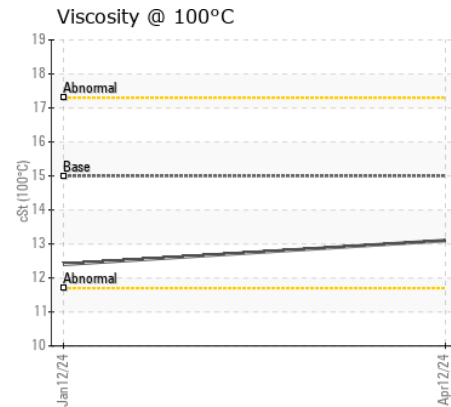
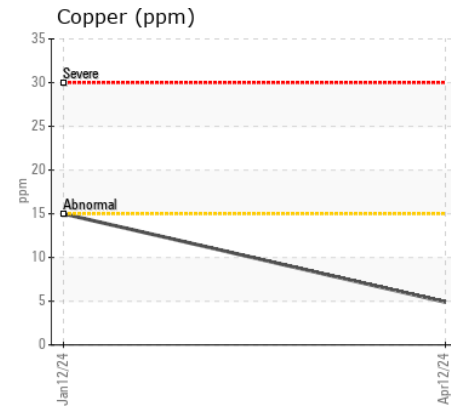
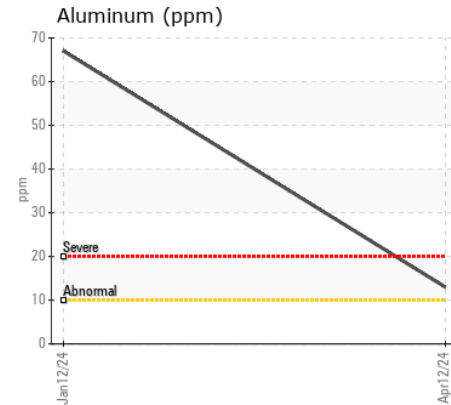
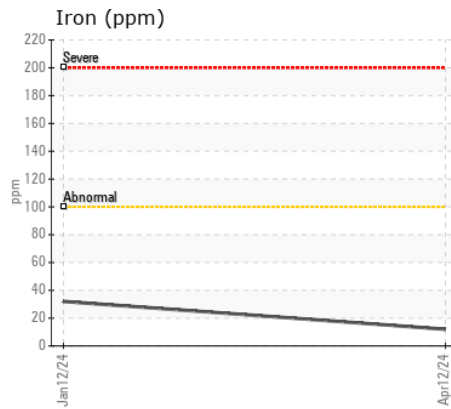
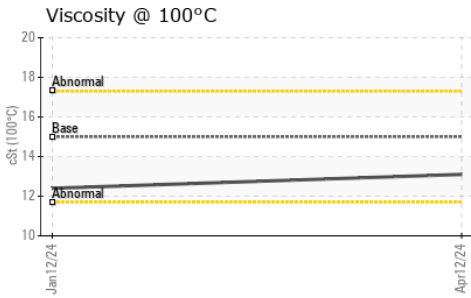
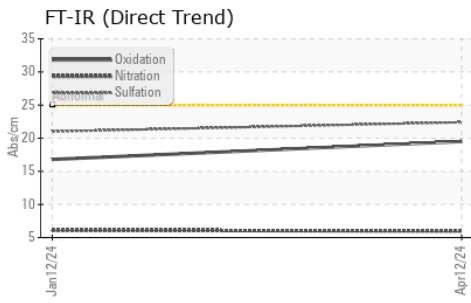
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	4	12	---
Potassium	ppm	ASTM D5185(m)	>20	0	3	---
Fuel		WC Method	>6.0	<1.0	<1.0	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0.2	0.3	---
Nitration	Abs/cm	ASTM D7624*	>20	6.0	6.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.4	21.0	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	4	---
Boron	ppm	ASTM D5185(m)	2.5	47	51	---
Barium	ppm	ASTM D5185(m)	0.0	2	13	---
Molybdenum	ppm	ASTM D5185(m)	0.7	38	37	---
Manganese	ppm	ASTM D5185(m)	0.0	<1	2	---
Magnesium	ppm	ASTM D5185(m)	256	523	582	---
Calcium	ppm	ASTM D5185(m)	2057	1657	1525	---
Phosphorus	ppm	ASTM D5185(m)	935	903	924	---
Zinc	ppm	ASTM D5185(m)	1223	1050	1083	---
Sulfur	ppm	ASTM D5185(m)	4079	2438	2992	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.5	16.8	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	13.1	12.4	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP380358 **Received** : 17 Apr 2024
Lab Number : 02629547 **Tested** : 17 Apr 2024
Unique Number : 5762679 **Diagnosed** : 17 Apr 2024 - Kevin Marson
Test Package : MOB 1

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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