



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Area
T. BELL TRANSPORT
Machine Id
VOLVO L150E L150EV11573
Component
Diesel Engine
Fluid
PETRO CANADA DURON HP 15W40 (--- GAL)



RECOMMENDATION

No corrective action is recommended at this time. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCE147622	---	---
Sample Date		Client Info		06 May 2024	---	---
Machine Age	hrs	Client Info		44040	---	---
Oil Age	hrs	Client Info		100	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	10	---	---
Chromium	ppm	ASTM D5185(m)	>10	0	---	---
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	2	---	---
Lead	ppm	ASTM D5185(m)	>20	0	---	---
Copper	ppm	ASTM D5185(m)	>15	3	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

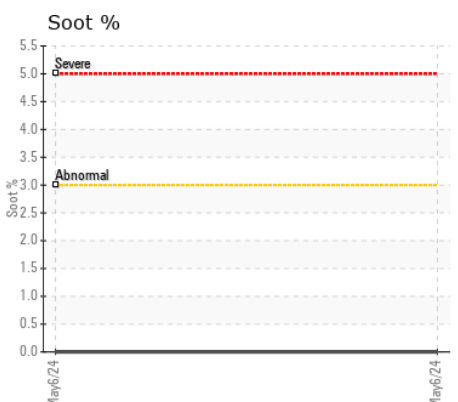
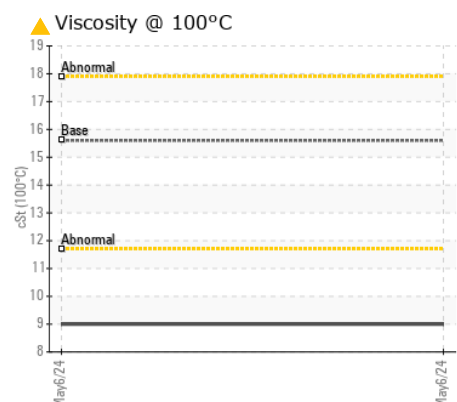
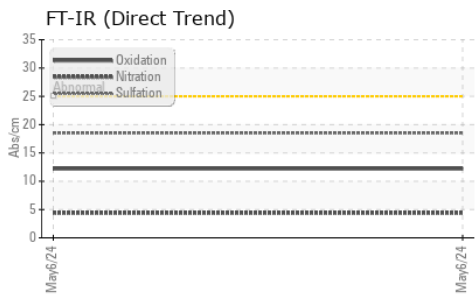
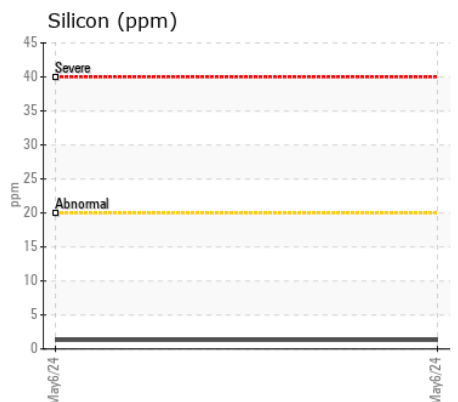
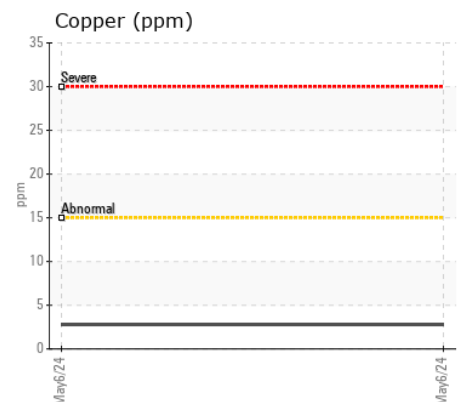
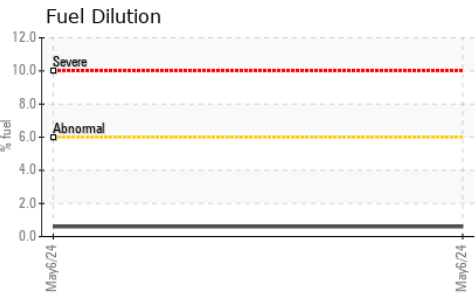
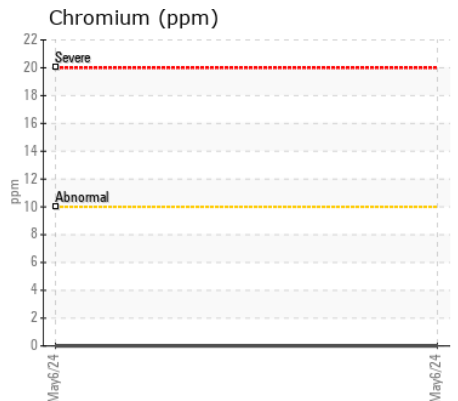
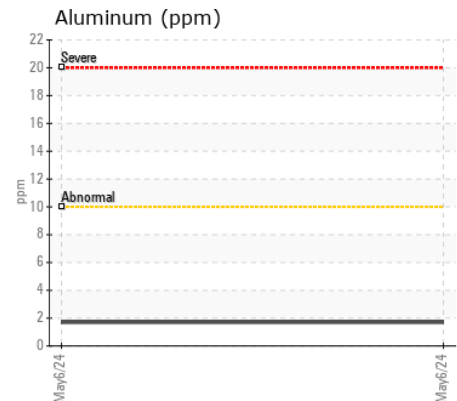
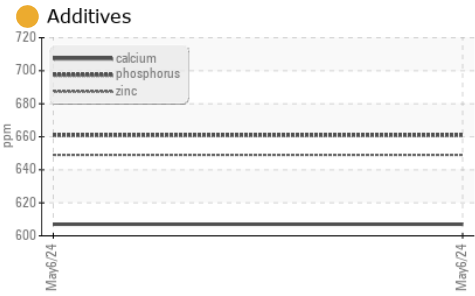
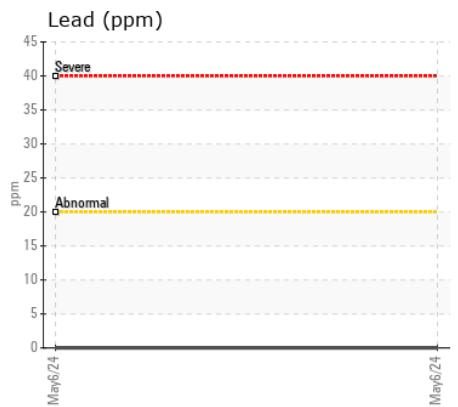
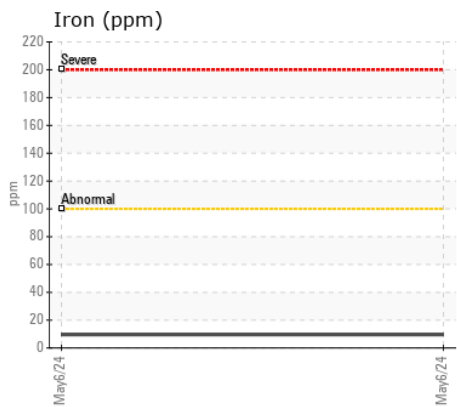
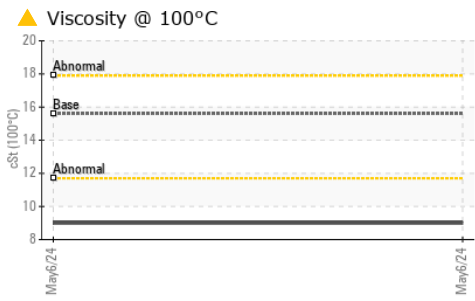
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	1	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel	%	ASTM D7593*	>6.0	0.6	---	---
Water		WC Method	>0.1	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	4.4	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.5	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 20 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<1	---	---
Boron	ppm	ASTM D5185(m)	0	34	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	60	32	---	---
Manganese	ppm	ASTM D5185(m)	0	0	---	---
Magnesium	ppm	ASTM D5185(m)	1010	530	---	---
Calcium	ppm	ASTM D5185(m)	1070	607	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	661	---	---
Zinc	ppm	ASTM D5185(m)	1270	649	---	---
Sulfur	ppm	ASTM D5185(m)	2060	1743	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.2	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	9.0	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VGE147622 **Received** : 09 May 2024
Lab Number : 02634284 **Tested** : 10 May 2024
Unique Number : 5775437 **Diagnosed** : 10 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

STRONGCO EQUIPMENT
 150 MUMFORD RD, UNIT 1
 SUDBURY, ON
 CA T3Y 1L2
 Contact: Lucien Michaud
 lmichaud@strongco.com
 T: (705)692-0552
 F: (705)692-0567

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.