



VOLVO

OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[51535]
 Machine Id
VOLVO L120H 632867
 Component
Rear Axle
 Fluid
TRANSAXLE OIL SAE 75W80 (--- GAL)

RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP445365	---	---
Sample Date		Client Info		13 Apr 2024	---	---
Machine Age	hrs	Client Info		6165	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

WEAR

The iron level is severe. Gear wear is indicated.

Iron	ppm	ASTM D5185m	>500	▲ 1623	---	---
Chromium	ppm	ASTM D5185m	>20	▲ 21	---	---
Nickel	ppm	ASTM D5185m	>10	▲ 12	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>30	1	---	---
Lead	ppm	ASTM D5185m	>50	<1	---	---
Copper	ppm	ASTM D5185m	>120	5	---	---
Tin	ppm	ASTM D5185m	>20	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

There is no indication of any contamination in the oil.

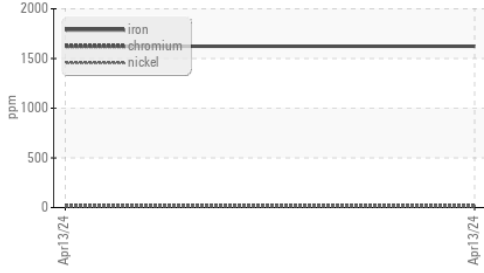
Silicon	ppm	ASTM D5185m	>50	20	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	*Visual	NONE	MODER	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---

FLUID CONDITION

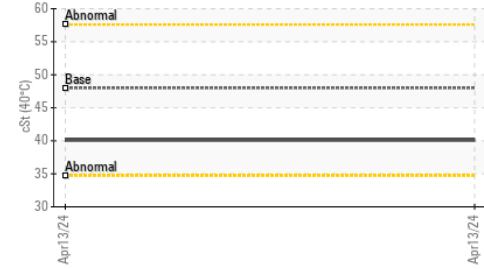
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		12	---	---
Boron	ppm	ASTM D5185m	160	125	---	---
Barium	ppm	ASTM D5185m	10	0	---	---
Molybdenum	ppm	ASTM D5185m	25	38	---	---
Manganese	ppm	ASTM D5185m		24	---	---
Magnesium	ppm	ASTM D5185m	12	15	---	---
Calcium	ppm	ASTM D5185m	3750	3449	---	---
Phosphorus	ppm	ASTM D5185m	1200	1294	---	---
Zinc	ppm	ASTM D5185m	1500	1451	---	---
Sulfur	ppm	ASTM D5185m	6000	4187	---	---
Visc @ 40°C	cSt	ASTM D445	48	40.1	---	---

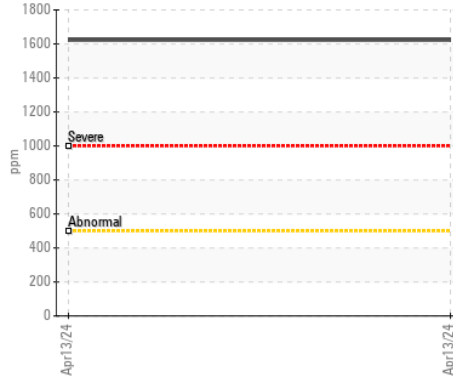
▲ Ferrous Alloys



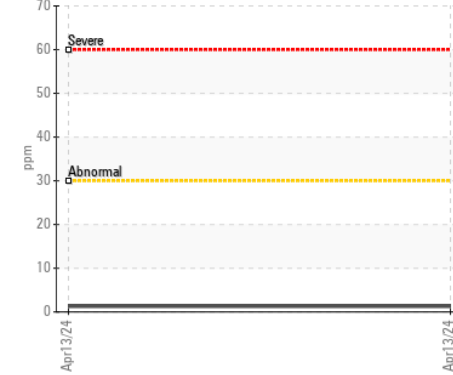
Viscosity @ 40°C



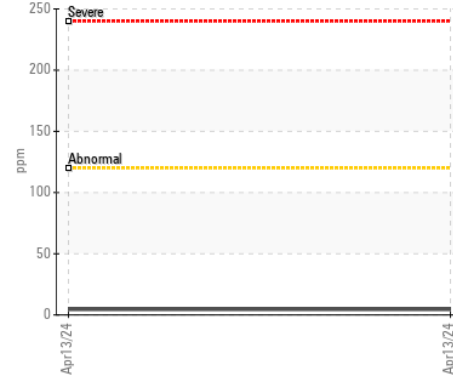
▲ Iron (ppm)



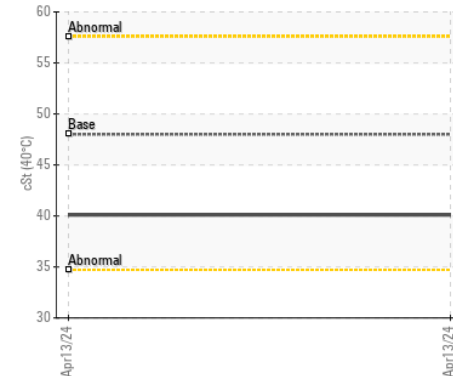
Aluminum (ppm)



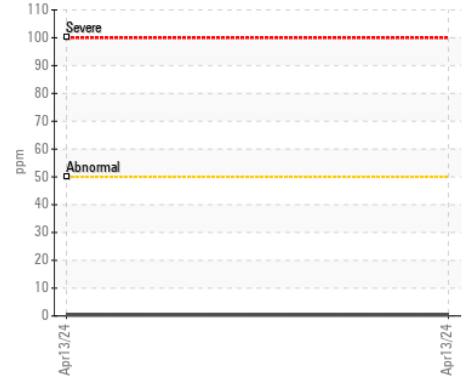
Copper (ppm)



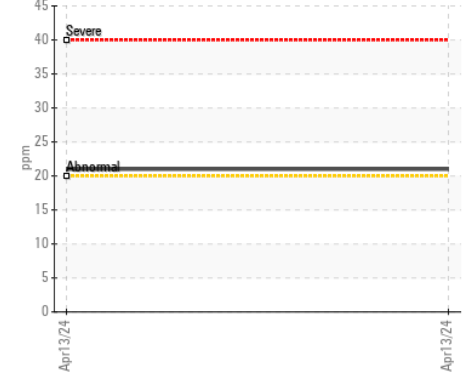
Viscosity @ 40°C



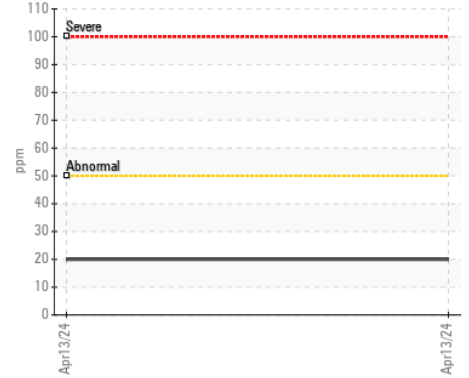
Lead (ppm)



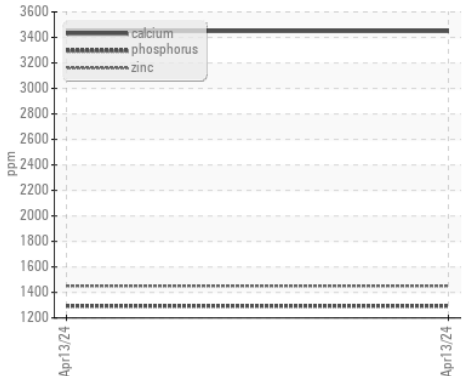
▲ Chromium (ppm)



Silicon (ppm)



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : VCP445365
 Lab Number : 06154832
 Unique Number : 10990255
 Test Package : MOB 1

Received : 19 Apr 2024
 Tested : 22 Apr 2024
 Diagnosed : 23 Apr 2024 - Don Baldrige

367 - ASCENDUM MACHINERY INC - BUFORD
 3779 RYDER BLVD
 BUFORD, GA
 US 30519
 Contact: Dana Vaccaro
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)