



# CONSTRUCTION EQUIPMENT

8000374704 VOLVO L120H 632068 - DIESEL ENGINE



**Sample No:** VCP394697  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 8000374704



## SAMPLE INFORMATION

Sample Number	<b>VCP394697</b>	VCP381814	VCP353001	VCP349624
Sample Date	<b>04 Aug 2023</b>	15 May 2023	13 Jan 2023	13 Sep 2022
Machine Hours	<b>31039</b>	30386	29777	27664
Oil Hours	<b>0</b>	0	500	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**STRONGCO EQUIP (AB)**  
 6 - 38403 BURNT LAKE TRAIL  
 RED DEER COUNTY, AB  
 CA T4S 2L4  
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## OIL CONDITION

Visc @ 100°C	cSt	<b>13.3</b>	13.9	13.7	15.4
Oxidation (PA)	%	<b>78</b>	90	96	144



## CONTAMINATION

Soot %	%	<b>0.1</b>	0.3	0.3	1
Nitration (PA)	%	<b>60</b>	74	83	122
Sulfation (PA)	%	<b>63</b>	67	71	92
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	7	5	8
Sodium	ppm	<b>2</b>	3	3	4
Potassium	ppm	<b>&lt;1</b>	0	0	0



## WEAR METALS

Iron	ppm	<b>12</b>	24	14	49
Copper	ppm	<b>&lt;1</b>	1	<1	3
Lead	ppm	<b>0</b>	<1	<1	6
Tin	ppm	<b>0</b>	<1	<1	2
Aluminum	ppm	<b>3</b>	5	4	8
Chromium	ppm	<b>&lt;1</b>	<1	<1	2
Molybdenum	ppm	<b>41</b>	42	43	64
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1671</b>	1851	1746	2108
Magnesium	ppm	<b>517</b>	525	519	639
Zinc	ppm	<b>1076</b>	1115	1128	1361
Phosphorus	ppm	<b>989</b>	1024	1046	1203
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>32</b>	36	37	47

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO9652  
**Unique No:** 5620729  
**Signed:** Wes Davis  
**Report Date:** 14 Aug 2023



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## VOLVO GRAPHS

