



# CONSTRUCTION EQUIPMENT

375328 VOLVO L120H 632927 - DIESEL ENGINE



**Sample No:** VCP394704  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 375328



## SAMPLE INFORMATION

Sample Number	<b>VCP394704</b>	VCP392204	VCP353085	VCP352956
Sample Date	<b>11 Aug 2023</b>	16 Jun 2023	27 Mar 2023	07 Dec 2022
Machine Hours	<b>5896</b>	5404	4846	4258
Oil Hours	<b>500</b>	500	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  
 Contact: Perry Doyle  
 pdoyle@strongco.com  
 T: (403)391-3520  
 F: (403)346-3487

## OIL CONDITION

Visc @ 100°C	cSt	<b>13.3</b>	13.5	13.3	13.4
Oxidation (PA)	%	<b>80</b>	84	84	85

## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.4</b>	0.4	0.1	0.2
Nitration (PA)	%	<b>53</b>	57	58	56
Sulfation (PA)	%	<b>65</b>	65	72	68
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	4	4	4
Sodium	ppm	<b>2</b>	2	2	2
Potassium	ppm	<b>&lt;1</b>	<1	0	0

## 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.

## WEAR METALS

Iron	ppm	<b>7</b>	8	8	8
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>3</b>	4	5	4
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>41</b>	41	41	41
Nickel	ppm	<b>0</b>	<1	<1	0
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>&lt;1</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

## ADDITIVES

Calcium	ppm	<b>1683</b>	1705	1823	1734
Magnesium	ppm	<b>513</b>	512	512	509
Zinc	ppm	<b>1082</b>	1076	1107	1095
Phosphorus	ppm	<b>982</b>	995	1012	1001
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>40</b>	39	49	50

**Depot:** VOLVO9652  
**Unique No:** 5628927  
**Signed:** Wes Davis  
**Report Date:** 04 Jan 2024



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## GRAPHS

