



# CONSTRUCTION EQUIPMENT

EURAZ VOLVO L120H 632062 - DIESEL ENGINE



**Sample No:** VCP243020  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** EURAZ



## SAMPLE INFORMATION

Sample Number	<b>VCP243020</b>	VCP251374	VCP221683	VCP210498
Sample Date	<b>24 Sep 2019</b>	17 Jun 2019	29 Jan 2019	28 Aug 2018
Machine Hours	<b>11205</b>	10520	9731	8428
Oil Hours	<b>500</b>	0	0	500
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**STRONGCO EQUIPMENT--CALGARY**  
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## OIL CONDITION

Visc @ 100°C	cSt	<b>13.8</b>	14.0	13.8	13.6
Oxidation (PA)	%	<b>88</b>	89	87	87



## CONTAMINATION

Soot %	%	<b>0.6</b>	0.4	0.3	0.5
Nitration (PA)	%	<b>76</b>	73	66	68
Sulfation (PA)	%	<b>71</b>	67	64	67
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>5</b>	6	8	6
Sodium	ppm	<b>1</b>	2	2	8
Potassium	ppm	<b>&lt;1</b>	0	<1	<1

## 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>13</b>	13	16	11
Copper	ppm	<b>1</b>	<1	1	1
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>5</b>	6	5	4
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>42</b>	42	43	40
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>&lt;1</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>1708</b>	1705	1704	1658
Magnesium	ppm	<b>515</b>	519	520	484
Zinc	ppm	<b>914</b>	900	916	878
Phosphorus	ppm	<b>771</b>	764	761	745
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>34</b>	41	45	33

**Depot:** VOLVO3909  
**Unique No:** 4938941  
**Signed:** Wes Davis  
**Report Date:** 30 Sep 2019



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## GRAPHS

