



# CONSTRUCTION EQUIPMENT

8000383675 VOLVO L150H 6743 - DIESEL ENGINE



**Sample No:** VCP380043  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 8000383675



## SAMPLE INFORMATION

Sample Number	<b>VCP380043</b>	VCP391975	VCP380874	VCP332582
Sample Date	<b>06 Nov 2023</b>	27 Apr 2023	29 Dec 2022	26 Jul 2022
Machine Hours	<b>4654</b>	4183	3585	3006
Oil Hours	<b>0</b>	0	500	1000
Oil Changed	<b>Changed</b>	N/A	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

### STRONGCO EQUIP (AB)

6 - 38403 BURNT LAKE TRAIL  
 RED DEER COUNTY, AB  
 CA T4S 2L4  
 Contact: Perry Doyle  
 pdoyle@strongco.com  
 T: (403)346-3473  
 F: (403)346-3487



## OIL CONDITION

Visc @ 100°C	cSt	<b>13.1</b>	12.9	12.8	▲ 11.3
Oxidation (PA)	%	<b>82</b>	81	86	90



## CONTAMINATION

Soot %	%	<b>0</b>	0	0	0
Nitration (PA)	%	<b>51</b>	53	61	75
Sulfation (PA)	%	<b>62</b>	62	67	66
Glycol	%	<b>NEG</b>	NEG	NEG	0.0
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	1
Silicon	ppm	<b>8</b>	9	9	▲ 32
Sodium	ppm	<b>3</b>	3	3	6
Potassium	ppm	<b>&lt;1</b>	0	<1	4

### 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>	6	8	25
Copper	ppm	<b>1</b>	2	8	60
Lead	ppm	<b>&lt;1</b>	<1	<1	3
Tin	ppm	<b>&lt;1</b>	<1	<1	1
Aluminum	ppm	<b>2</b>	2	3	10
Chromium	ppm	<b>0</b>	0	0	1
Molybdenum	ppm	<b>40</b>	40	42	41
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1695</b>	1719	1707	1652
Magnesium	ppm	<b>500</b>	494	502	505
Zinc	ppm	<b>1077</b>	1042	1080	891
Phosphorus	ppm	<b>914</b>	988	989	719
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>52</b>	54	52	28

**Depot:** VOLVO9652  
**Unique No:** 5681837  
**Signed:** Wes Davis  
**Report Date:** 16 Nov 2023



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## GRAPHS

