



# CONSTRUCTION EQUIPMENT

8X374936 VOLVO L70G 2334 - DIESEL ENGINE



**Sample No:** VCP380136  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 8X374936



## SAMPLE INFORMATION

Sample Number	<b>VCP380136</b>	VCP260353	VCP260771	VCE202747
Sample Date	<b>23 Aug 2023</b>	14 Feb 2020	06 Nov 2019	30 Aug 2018
Machine Hours	<b>13370</b>	11050	10572	9778
Oil Hours	<b>0</b>	500	500	500
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

### STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.  
 Burlington, ON  
 CA L7L 4Y1  
 Contact: Sue Hooton  
 shooton@strongco.com  
 T: (905)331-3835  
 F: (905)643-6077



## OIL CONDITION

Visc @ 100°C	cSt	<b>13.0</b>	13.1	13.4	13.1
Oxidation (PA)	%	<b>79</b>	81	76	83



## CONTAMINATION

Soot %	%	<b>0.1</b>	0.1	0	0.1
Nitration (PA)	%	<b>58</b>	61	53	59
Sulfation (PA)	%	<b>64</b>	73	67	60
Glycol	%	<b>NEG</b>	0.0	0.0	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>8</b>	10	▲ 28	10
Sodium	ppm	<b>3</b>	3	9	3
Potassium	ppm	<b>1</b>	6	27	<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>14</b>	26	39	28
Copper	ppm	<b>2</b>	2	8	1
Lead	ppm	<b>0</b>	<1	2	<1
Tin	ppm	<b>&lt;1</b>	<1	1	0
Aluminum	ppm	<b>7</b>	12	▲ 48	▲ 14
Chromium	ppm	<b>&lt;1</b>	2	4	<1
Molybdenum	ppm	<b>40</b>	41	42	40
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	2	<1
Vanadium	ppm	<b>0</b>	<1	0	0



## ADDITIVES

Calcium	ppm	<b>1649</b>	1700	1879	1633
Magnesium	ppm	<b>501</b>	498	463	491
Zinc	ppm	<b>1056</b>	876	900	867
Phosphorus	ppm	<b>972</b>	745	780	744
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>42</b>	51	81	47

**Depot:** VOLVO0252  
**Unique No:** 5633711  
**Signed:** Wes Davis  
**Report Date:** 06 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

