



# CONSTRUCTION EQUIPMENT

660274 STONE CO VOLVO L260H 1301 - DIESEL ENGINE



**Sample No:** VCP452282  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 660274 STONE CO



## SAMPLE INFORMATION

Sample Number	<b>VCP452282</b>	VCP442769	VCP431346	VCP412656
Sample Date	<b>22 Jan 2024</b>	05 Nov 2023	19 Sep 2023	27 Jul 2023
Machine Hours	<b>5967</b>	5471	4943	4470
Oil Hours	<b>500</b>	500	500	500
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT COMPANY - METRO WEST**  
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## OIL CONDITION

Visc @ 100°C	cSt	<b>12.8</b>	12.6	13.0	13.5
Base Number (BN)	mg KOH/g	<b>8.5</b>	8.8	8.7	8.6
Oxidation (PA)	%	<b>59</b>	59	58	59

## 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.2</b>	0.2	0.2	0.2
Nitration (PA)	%	<b>62</b>	61	57	58
Sulfation (PA)	%	<b>52</b>	53	52	53
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>2</b>	2	2	3
Sodium	ppm	<b>0</b>	2	<1	2
Potassium	ppm	<b>2</b>	1	2	2



## WEAR METALS

Iron	ppm	<b>4</b>	<1	4	5
Copper	ppm	<b>1</b>	<1	1	3
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>2</b>	<1	2	1
Chromium	ppm	<b>&lt;1</b>	0	0	0
Molybdenum	ppm	<b>64</b>	56	60	60
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	<1



## ADDITIVES

Calcium	ppm	<b>1078</b>	969	1054	1200
Magnesium	ppm	<b>1011</b>	912	1006	984
Zinc	ppm	<b>1244</b>	1201	1290	1300
Phosphorus	ppm	<b>933</b>	996	1026	1074
Barium	ppm	<b>5</b>	0	0	0
Boron	ppm	<b>1</b>	2	0	2

**Depot:** VOLVO2990  
**Unique No:** 10863272  
**Signed:** Don Baldrige  
**Report Date:** 07 Feb 2024



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## GRAPHS

