



# CONSTRUCTION EQUIPMENT

594175 STONE CO VOLVO L260H 1331 - DIESEL ENGINE



**Sample No:** VCP380681  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 594175 STONE CO



## SAMPLE INFORMATION

Sample Number	<b>VCP380681</b>	VCP426596	VCP407026	VCP382760
Sample Date	<b>16 Aug 2023</b>	28 Jun 2023	11 May 2023	17 Mar 2023
Machine Hours	<b>2959</b>	2478	1999	1496
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>13.8</b>	13.8	13.4	13.4
Base Number (BN)	mg KOH/g	<b>8.0</b>	8.3	8.9	8.7
Oxidation (PA)	%	<b>55</b>	63	61	59



## CONTAMINATION

Soot %	%	<b>0.3</b>	0.3	0.3	0.3
Nitration (PA)	%	<b>58</b>	60	65	66
Sulfation (PA)	%	<b>51</b>	54	54	53
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	3	4	6
Sodium	ppm	<b>2</b>	1	1	<1
Potassium	ppm	<b>5</b>	1	<1	4



## WEAR METALS

Iron	ppm	<b>6</b>	6	6	63
Copper	ppm	<b>2</b>	2	5	13
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>1</b>	<1	<1	6
Chromium	ppm	<b>&lt;1</b>	<1	0	1
Molybdenum	ppm	<b>60</b>	62	60	77
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1132</b>	1107	1113	1715
Magnesium	ppm	<b>899</b>	1031	1004	503
Zinc	ppm	<b>1206</b>	1361	1301	1048
Phosphorus	ppm	<b>983</b>	1099	1044	838
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>2</b>	0	0	82

## 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 acceptable for the time in service.

**Depot:** VOLVO2990  
**Unique No:** 10616591  
**Signed:** Sean Felton  
**Report Date:** 24 Aug 2023

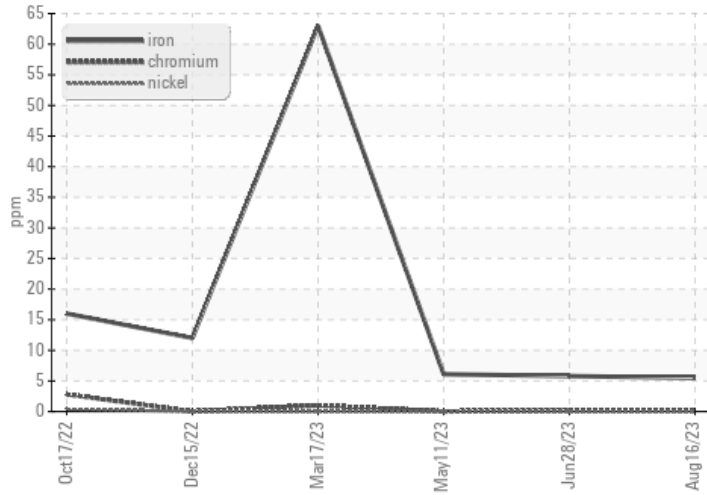


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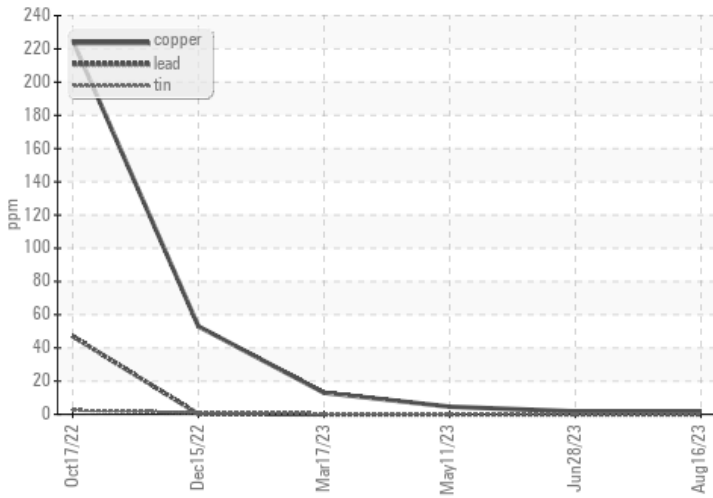


## GRAPHS

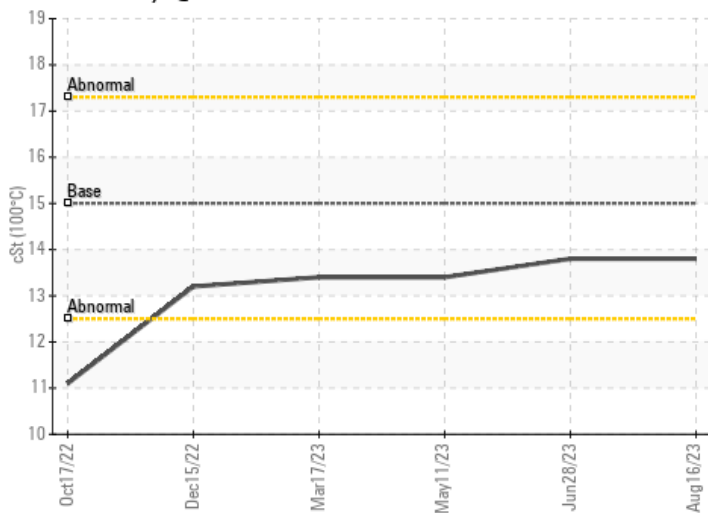
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 100°C



### Base Number

