



# CONSTRUCTION EQUIPMENT

660719 STONE CO VOLVO L260H 1244 - DIESEL ENGINE



**Sample No:** VCP453930  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 660719 STONE CO



## SAMPLE INFORMATION

Sample Number	<b>VCP453930</b>	VCP442762	VCP431342	VCP412072
Sample Date	<b>14 Mar 2024</b>	20 Nov 2023	28 Sep 2023	03 Aug 2023
Machine Hours	<b>7815</b>	7353	6874	6368
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>13.1</b>	12.8	13.3	13.9
Base Number (BN)	mg KOH/g	<b>9.2</b>	9.1	8.8	8.8
Oxidation (PA)	%	<b>59</b>	59	58	56

## 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.



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.4</b>	0.4	0.4	0.4
Nitration (PA)	%	<b>63</b>	63	60	58
Sulfation (PA)	%	<b>52</b>	54	53	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>	2	2	2
Sodium	ppm	<b>2</b>	1	<1	0
Potassium	ppm	<b>2</b>	1	0	<1



## WEAR METALS

Iron	ppm	<b>4</b>	1	4	4
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>2</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	0	0	0
Molybdenum	ppm	<b>59</b>	57	60	59
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	0
Vanadium	ppm	<b>&lt;1</b>	0	<1	0



## ADDITIVES

Calcium	ppm	<b>1145</b>	972	1035	1093
Magnesium	ppm	<b>968</b>	920	995	1030
Zinc	ppm	<b>1265</b>	1224	1263	1313
Phosphorus	ppm	<b>1097</b>	999	1014	1023
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>3</b>	1	0	0

**Depot:** VOLVO2990  
**Unique No:** 10937562  
**Signed:** Don Baldrige  
**Report Date:** 22 Mar 2024

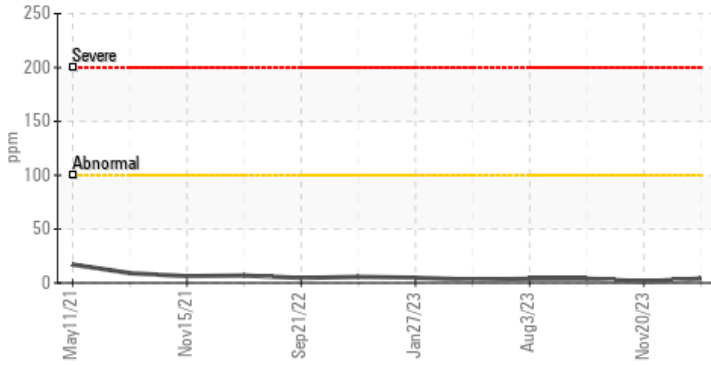


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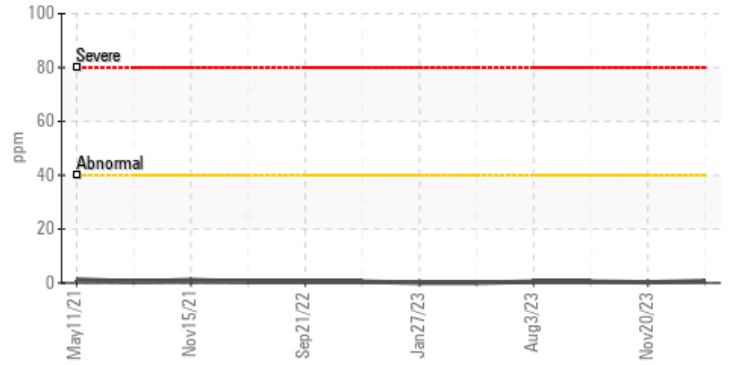


## GRAPHS

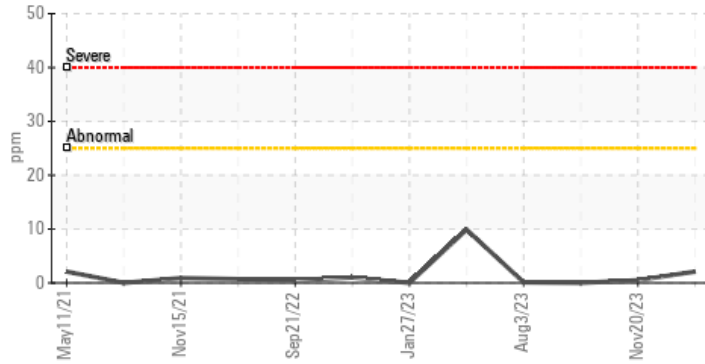
### Iron (ppm)



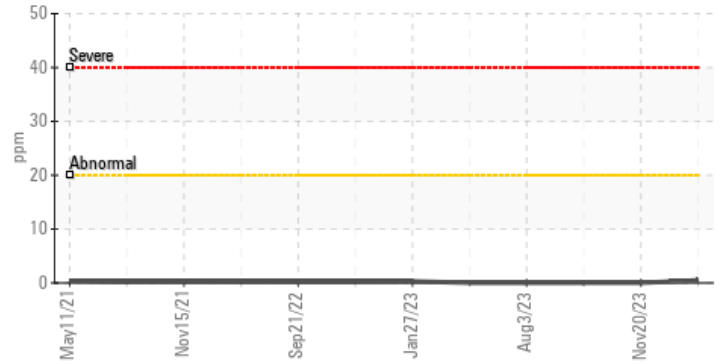
### Lead (ppm)



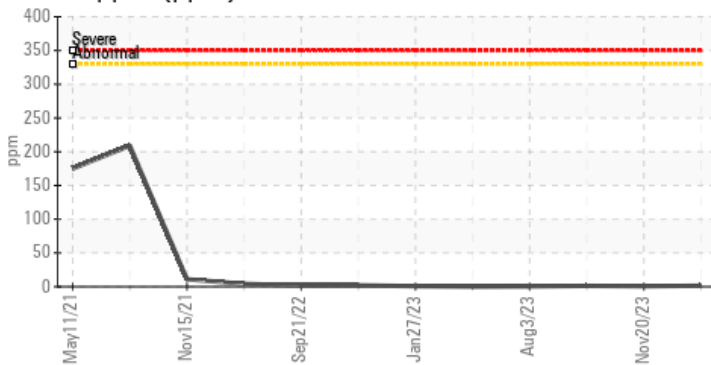
### Aluminum (ppm)



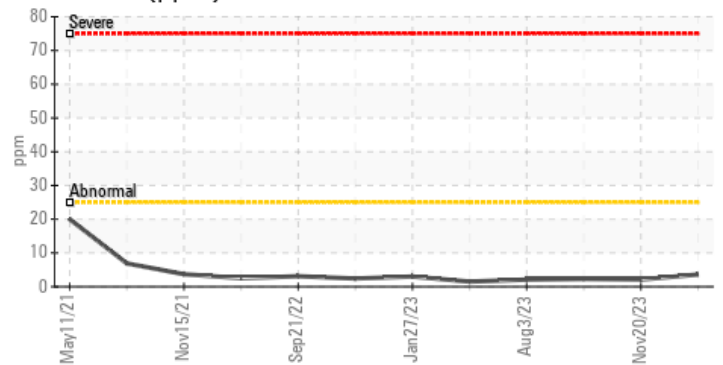
### Chromium (ppm)



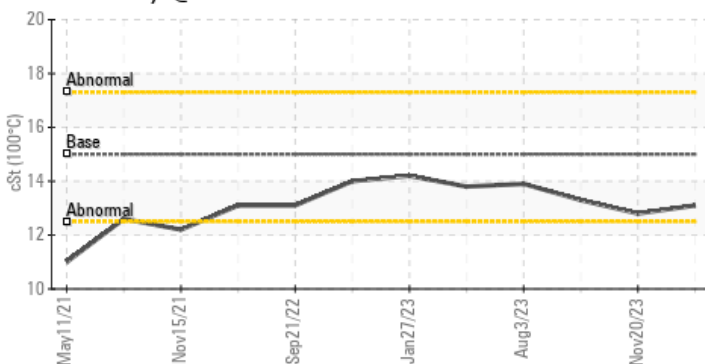
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

