



# CONSTRUCTION EQUIPMENT

## 659024 DIPRO VOLVO L260H 1312 - DIESEL ENGINE



**Sample No:** VCP452381  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 659024 DIPRO



### SAMPLE INFORMATION

Sample Number	<b>VCP452381</b>	VCP442775	VCP431403	VCP411847
Sample Date	<b>12 Jan 2024</b>	22 Nov 2023	14 Sep 2023	11 Jul 2023
Machine Hours	<b>8904</b>	8328	7562	6992
Oil Hours	<b>0</b>	500	500	0
Oil Changed	<b>Changed</b>	Changed	Changed	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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

Visc @ 100°C	cSt	<b>13.4</b>	13.1	14.3	14.3
Base Number (BN)	mg KOH/g	<b>9.2</b>	8.9	8.7	9.1
Oxidation (PA)	%	<b>60</b>	61	54	55

### 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>0.2</b>	0.2	0.2	0.2
Nitration (PA)	%	<b>61</b>	63	52	53
Sulfation (PA)	%	<b>52</b>	53	50	51
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	3	2
Sodium	ppm	<b>&lt;1</b>	<1	2	2
Potassium	ppm	<b>0</b>	<1	1	0



### WEAR METALS

Iron	ppm	<b>4</b>	2	4	3
Copper	ppm	<b>4</b>	2	1	1
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>&lt;1</b>	<1	0	<1
Chromium	ppm	<b>0</b>	0	<1	0
Molybdenum	ppm	<b>57</b>	57	56	61
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>1092</b>	981	1004	1094
Magnesium	ppm	<b>947</b>	941	889	1050
Zinc	ppm	<b>1170</b>	1255	1164	1282
Phosphorus	ppm	<b>984</b>	1009	961	1055
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>&lt;1</b>	<1	0	0

**Depot:** VOLVO2990  
**Unique No:** 10845936  
**Signed:** Sean Felton  
**Report Date:** 26 Jan 2024

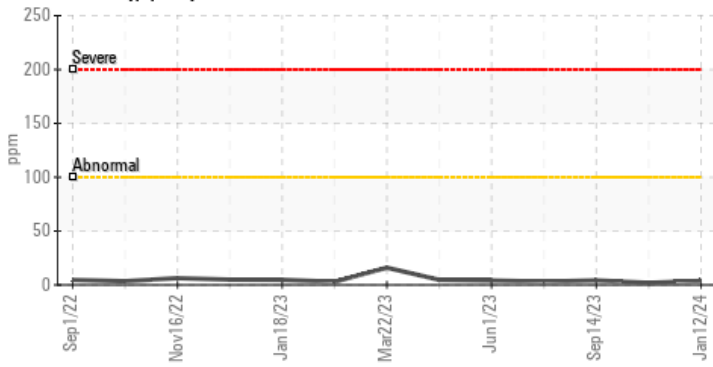


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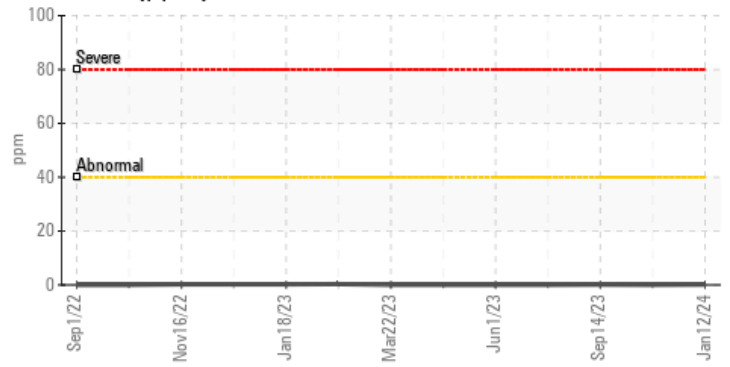


## GRAPHS

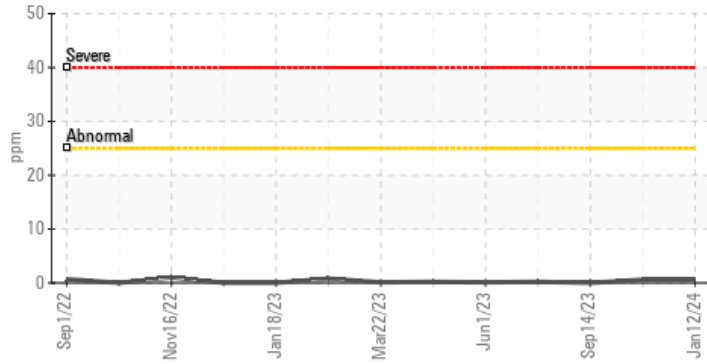
### Iron (ppm)



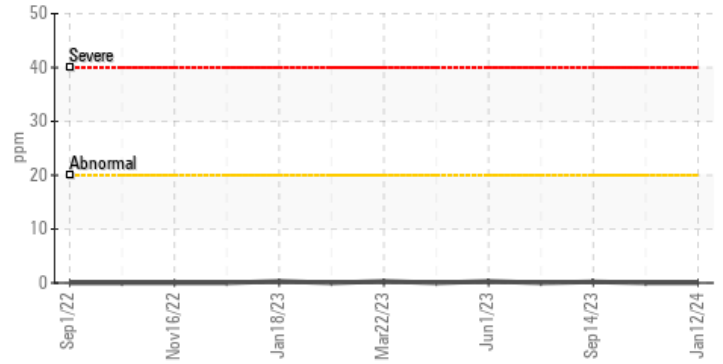
### Lead (ppm)



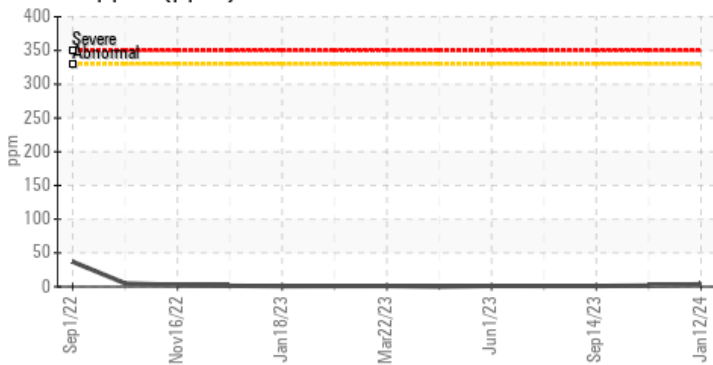
### Aluminum (ppm)



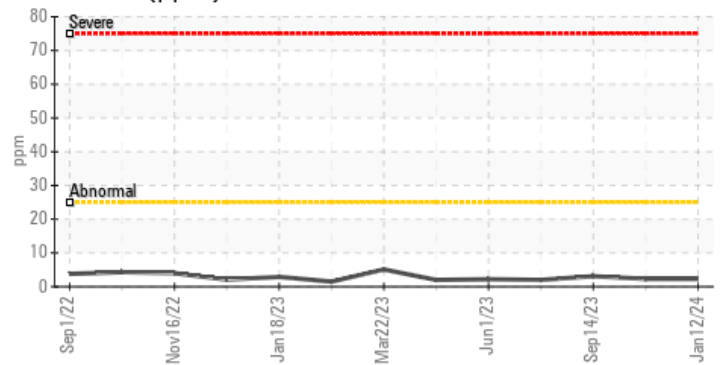
### Chromium (ppm)



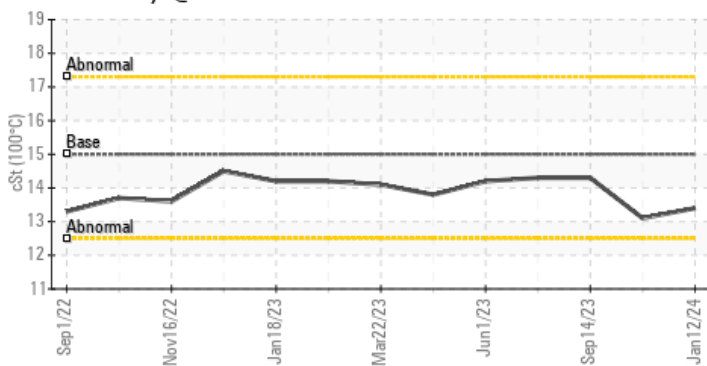
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

