



# CONSTRUCTION EQUIPMENT

TRIPLE M METAL 392281 VOLVO L260 1233 - DIESEL ENGINE



**Sample No:** VCP430187  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 392281



## SAMPLE INFORMATION

Sample Number	<b>VCP430187</b>	VCP391542	VCP380079	VCP430007
Sample Date	<b>22 Jan 2024</b>	11 Jan 2024	04 Dec 2023	12 Oct 2023
Machine Hours	<b>8522</b>	8278	7547	0
Oil Hours	<b>0</b>	0	0	2000
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	ABNORMAL	SEVERE	SEVERE

**STRONGCO EQUIPMENT (CE)**  
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## OIL CONDITION

Visc @ 100°C	cSt	<b>13.0</b>	12.9	12.4	12.5
Oxidation (PA)	%	<b>77</b>	83	87	84



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0</b>	0.1	0.2	0.2
Nitration (PA)	%	<b>44</b>	55	62	61
Sulfation (PA)	%	<b>60</b>	63	62	63
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>2</b>	4	4	7
Sodium	ppm	<b>3</b>	3	3	3
Potassium	ppm	<b>&lt;1</b>	<1	0	<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>4</b>	12	22	20
Copper	ppm	<b>&lt;1</b>	<1	2	2
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>2</b>	3	3	3
Chromium	ppm	<b>&lt;1</b>	2	3	3
Molybdenum	ppm	<b>39</b>	38	39	40
Nickel	ppm	<b>1</b>	5	8	9
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>0</b>	0	0	0
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1624</b>	1672	1577	1710
Magnesium	ppm	<b>525</b>	491	484	501
Zinc	ppm	<b>1043</b>	1035	1023	1072
Phosphorus	ppm	<b>920</b>	910	835	910
Barium	ppm	<b>0</b>	0	<1	<1
Boron	ppm	<b>41</b>	28	24	22

**Depot:** VOLVO0252  
**Unique No:** 5711610  
**Signed:** Wes Davis  
**Report Date:** 23 Jan 2024

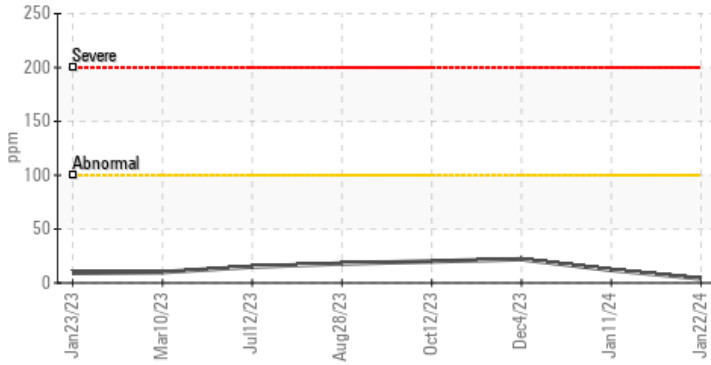


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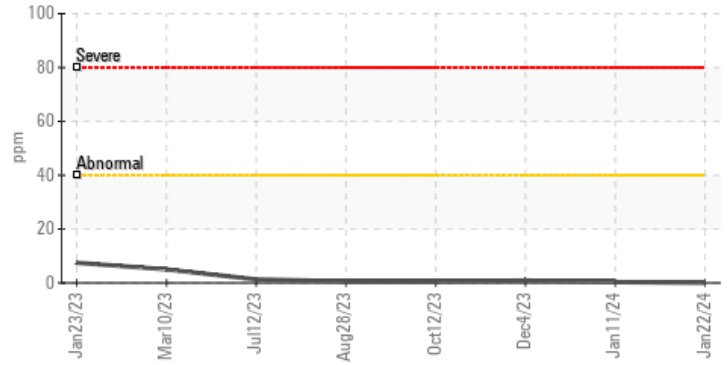


## GRAPHS

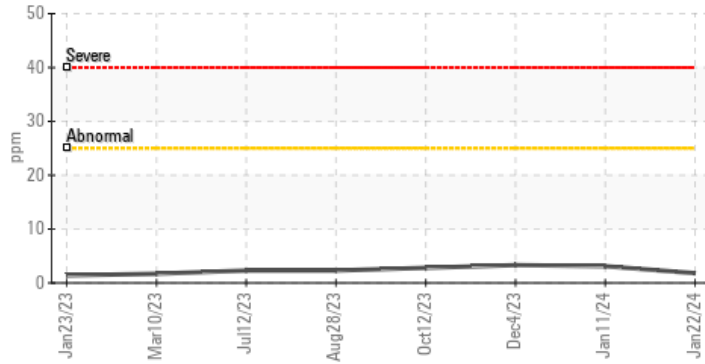
### Iron (ppm)



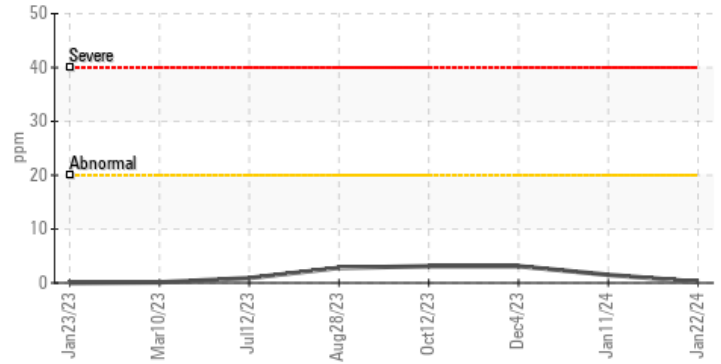
### Lead (ppm)



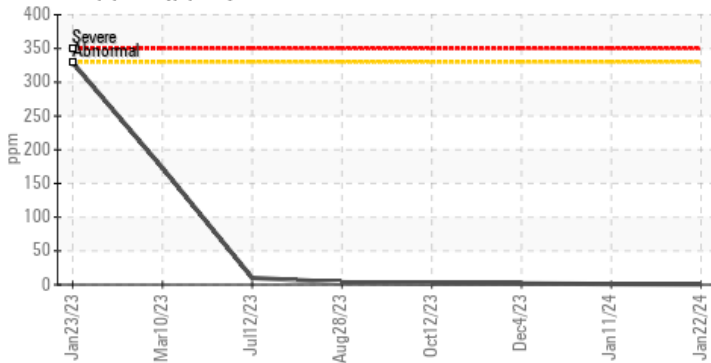
### Aluminum (ppm)



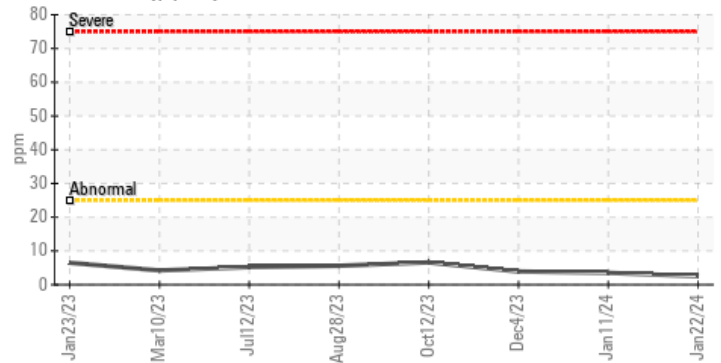
### Chromium (ppm)



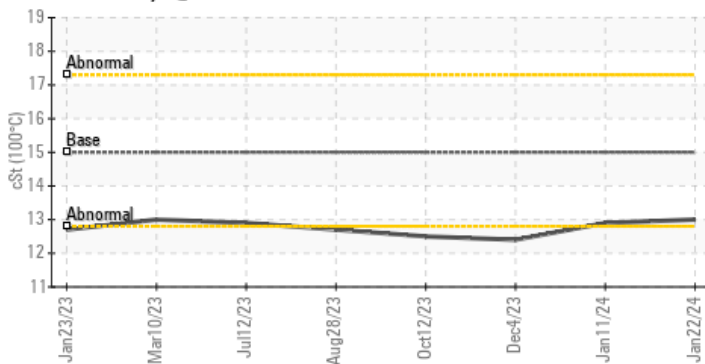
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Soot %

