



# CONSTRUCTION EQUIPMENT

## TRIPLE M 393678 VOLVO A30G 752850 - DIESEL ENGINE



**Sample No:** VCP394373  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 393678



### SAMPLE INFORMATION

Sample Number	<b>VCP394373</b>	VCP391613	VCP380143	VCP391692
Sample Date	<b>06 Feb 2024</b>	09 Jan 2024	06 Oct 2023	17 Jul 2023
Machine Hours	<b>17773</b>	5625	4419	0
Oil Hours	<b>0</b>	0	0	1000
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

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

Visc @ 100°C	cSt	<span style="color: green;">■</span> <b>12.8</b>	<span style="color: orange;">▲</span> 11.7	<span style="color: green;">■</span> 12.6	<span style="color: green;">■</span> 12.5
Oxidation (PA)	%	<span style="color: green;">■</span> <b>78</b>	81	88	88

### CONTAMINATION

Water	%	<b>NEG</b>	<span style="color: green;">■</span> 0.112	NEG	NEG
Soot %	%	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0.1	<span style="color: green;">■</span> 0.1
Nitration (PA)	%	<b>53</b>	61	68	68
Sulfation (PA)	%	<b>62</b>	63	64	65
Glycol	%	<b>NEG</b>	<span style="color: green;">■</span> 0.0	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<span style="color: green;">■</span> 1.5	<1.0	<1.0
Silicon	ppm	<span style="color: green;">■</span> <b>3</b>	<span style="color: green;">■</span> 3	<span style="color: green;">■</span> 4	<span style="color: green;">■</span> 4
Sodium	ppm	<span style="color: green;">■</span> <b>2</b>	<span style="color: green;">■</span> 2	<span style="color: green;">■</span> 2	<span style="color: green;">■</span> 2
Potassium	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> <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	<span style="color: green;">■</span> <b>5</b>	<span style="color: green;">■</span> 6	<span style="color: green;">■</span> 10	<span style="color: green;">■</span> 9
Copper	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 2	<span style="color: green;">■</span> 3
Lead	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 0
Tin	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> <1
Aluminum	ppm	<span style="color: green;">■</span> <b>3</b>	<span style="color: green;">■</span> 3	<span style="color: green;">■</span> 1	<span style="color: green;">■</span> <1
Chromium	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> <1
Molybdenum	ppm	<span style="color: green;">■</span> <b>41</b>	<span style="color: green;">■</span> 37	<span style="color: green;">■</span> 43	<span style="color: green;">■</span> 42
Nickel	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> <1
Manganese	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> <1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<span style="color: green;">■</span> <b>1689</b>	<span style="color: green;">■</span> 1888	<span style="color: green;">■</span> 1658	<span style="color: green;">■</span> 1633
Magnesium	ppm	<span style="color: green;">■</span> <b>553</b>	<span style="color: green;">■</span> 451	<span style="color: green;">■</span> 554	<span style="color: green;">■</span> 549
Zinc	ppm	<span style="color: green;">■</span> <b>1090</b>	<span style="color: green;">■</span> 1123	<span style="color: green;">■</span> 1102	<span style="color: green;">■</span> 1103
Phosphorus	ppm	<span style="color: green;">■</span> <b>970</b>	<span style="color: green;">■</span> 958	<span style="color: green;">■</span> 940	<span style="color: green;">■</span> 998
Barium	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 0
Boron	ppm	<span style="color: green;">■</span> <b>45</b>	<span style="color: green;">■</span> 48	<span style="color: green;">■</span> 25	<span style="color: green;">■</span> 25

**Depot:** VOLVO0252  
**Unique No:** 5724080  
**Signed:** Wes Davis  
**Report Date:** 12 Feb 2024

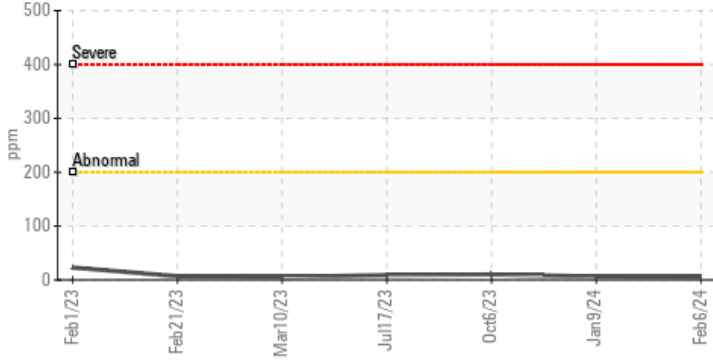


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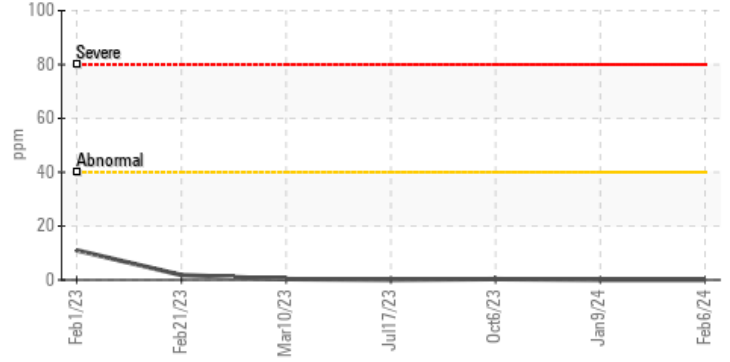


## GRAPHS

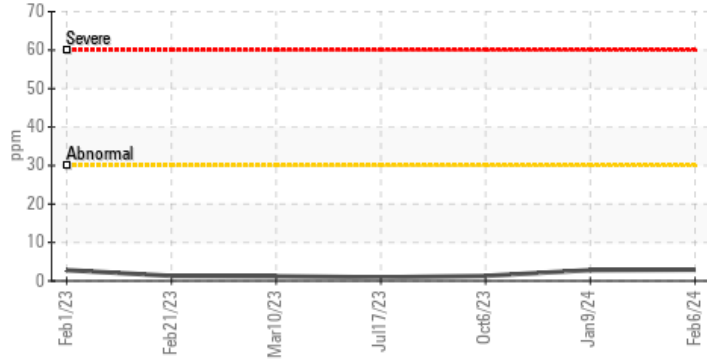
### Iron (ppm)



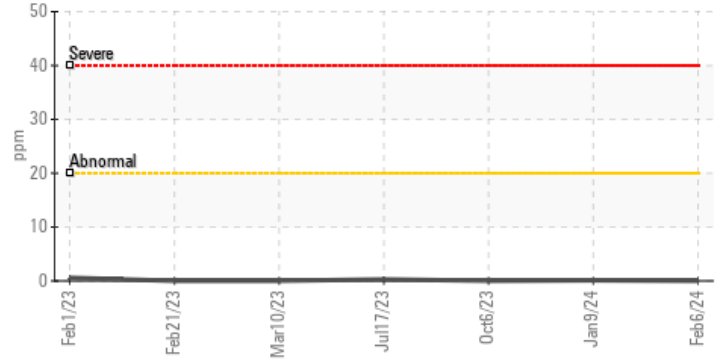
### Lead (ppm)



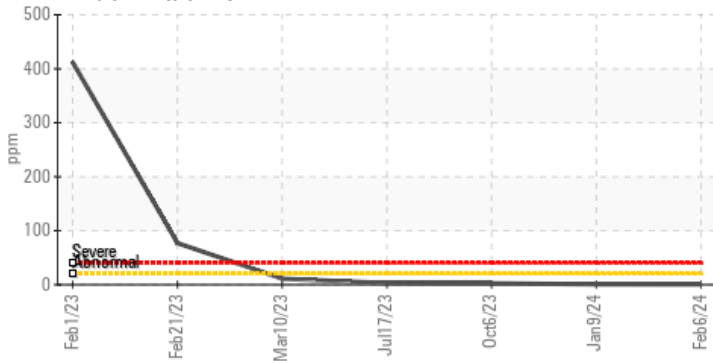
### Aluminum (ppm)



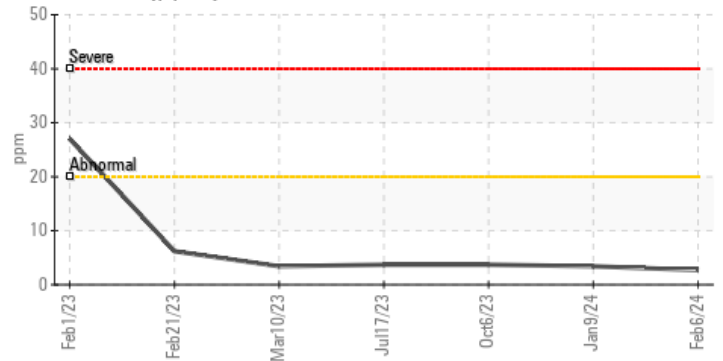
### Chromium (ppm)



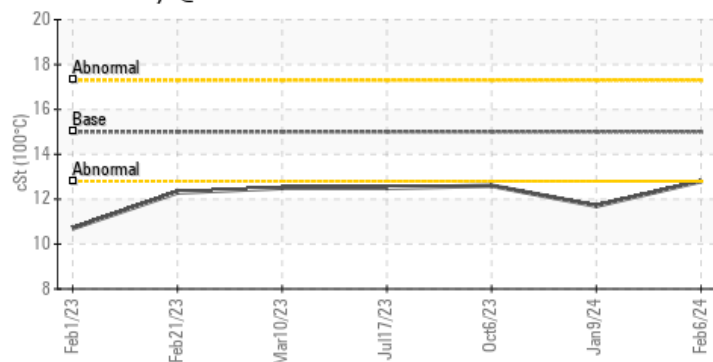
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Soot %

