



# CONSTRUCTION EQUIPMENT

## 391364 VOLVO MC 115C 1641163 - DIESEL ENGINE



**Sample No:** VCP392854  
**Oil Type:** MOBIL DELVAC ULTRA 5W40 EXT. PERFORMANCE  
**Job No:** 391364



**STRONGCO EQUIP (AB)**  
 6 - 38403 BURNT LAKE TRAIL  
 RED DEER COUNTY, AB  
 CA T4S 2L4  
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### SAMPLE INFORMATION

Sample Number	<b>VCP392854</b>	VCP332644	VCP275098	VCP244709
Sample Date	<b>16 Jan 2024</b>	10 Mar 2022	06 Jan 2021	17 Oct 2019
Machine Hours	<b>1104</b>	1030	948	863
Oil Hours	<b>500</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



### OIL CONDITION

Visc @ 100°C	cSt	<b>12.8</b>	13.0	12.6	13.6
Oxidation (PA)	%	<b>176</b>	169	149	58



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0</b>	0	0	0
Nitration (PA)	%	<b>63</b>	64	66	91
Sulfation (PA)	%	<b>101</b>	101	89	52
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>1.5</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>12</b>	14	12	14
Sodium	ppm	<b>&lt;1</b>	<1	2	2
Potassium	ppm	<b>&lt;1</b>	<1	<1	2



### WEAR METALS

Iron	ppm	<b>4</b>	5	6	9
Copper	ppm	<b>&lt;1</b>	<1	<1	1
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>2</b>	2	2	1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>43</b>	42	34	1
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>0</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>953</b>	992	1005	1279
Magnesium	ppm	<b>844</b>	896	863	890
Zinc	ppm	<b>1147</b>	1222	1234	1258
Phosphorus	ppm	<b>981</b>	1060	980	1060
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>111</b>	115	108	82

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO9652  
**Unique No:** 5711601  
**Signed:** Kevin Marson  
**Report Date:** 24 Jan 2024

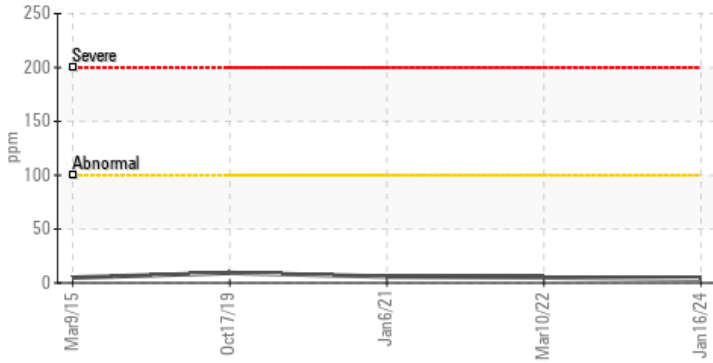


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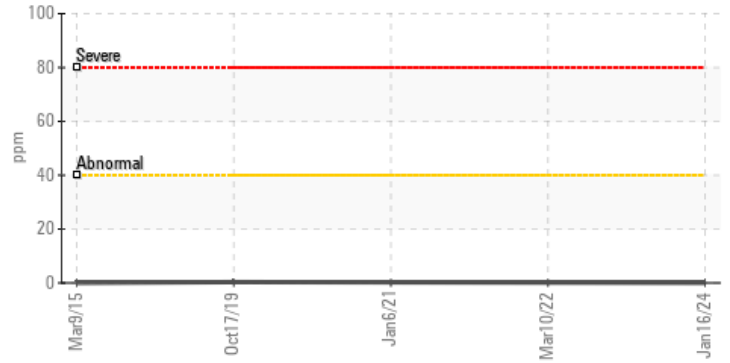


## GRAPHS

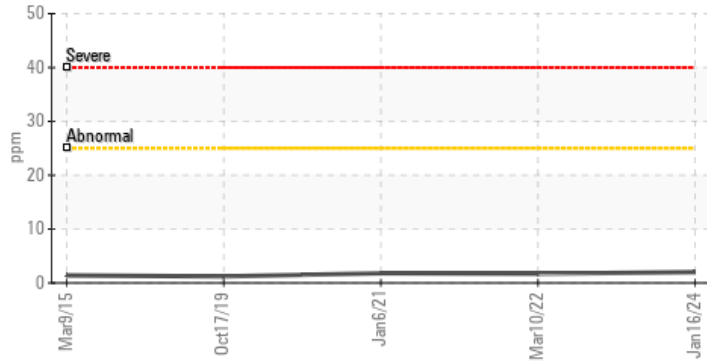
### Iron (ppm)



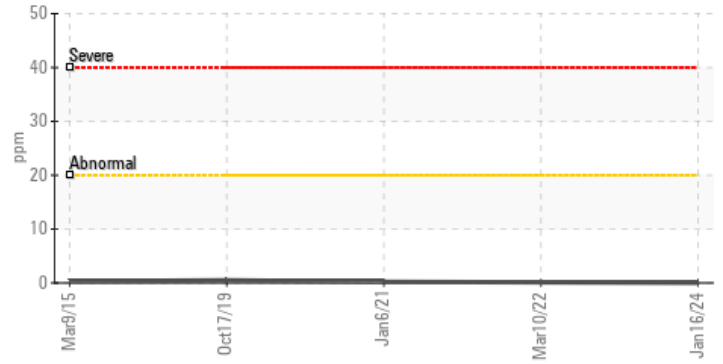
### Lead (ppm)



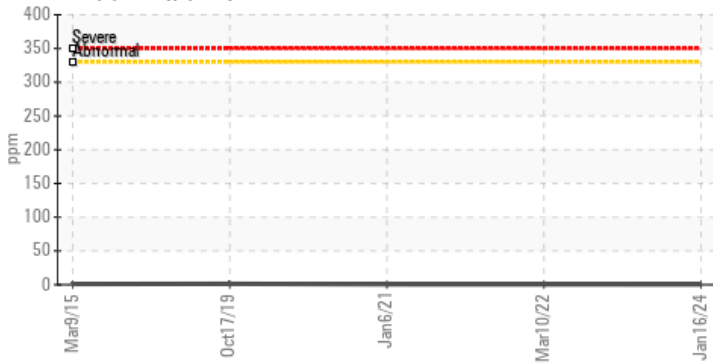
### Aluminum (ppm)



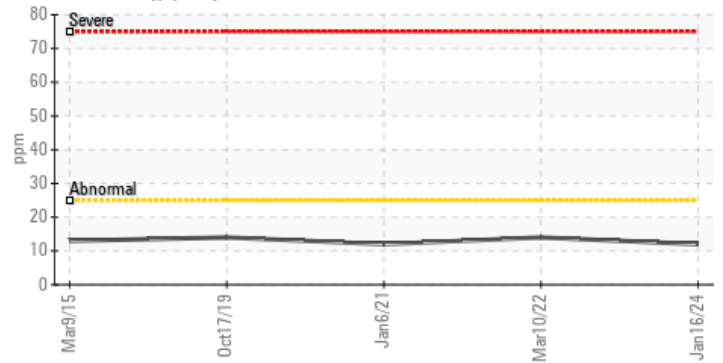
### Chromium (ppm)



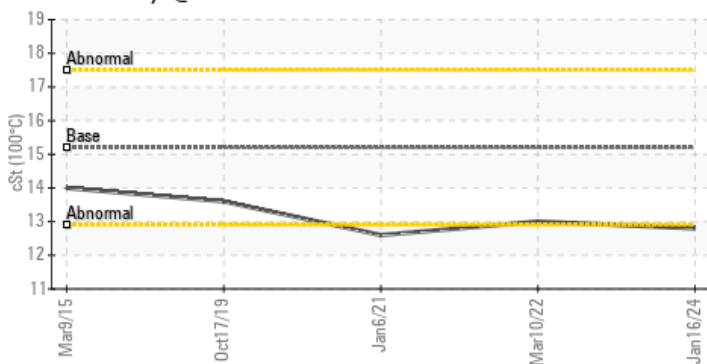
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Soot %

