



# CONSTRUCTION EQUIPMENT

## 54685 WHEELABRATOR VOLVO L220H 3436 - REAR AXLE



**Sample No:** VCP443839  
**Oil Type:** VOLVO WB 102  
**Job No:** 54685 WHEELABRATOR



### SAMPLE INFORMATION

Sample Number	<b>VCP443839</b>	VCP443841	---	---
Sample Date	<b>12 Jun 2024</b>	12 Jun 2024	---	---
Machine Hours	<b>4777</b>	4777	---	---
Oil Hours	<b>2000</b>	2000	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

### TYLER EQUIPMENT CORPORATION

1980 BERLIN TURNPIKE  
 BERLIN, CT  
 US 06037  
 Contact: DONALD DEROSIER  
 DDEROSIER@TYLEREQUIPMENT.COM  
 T: (800)332-4473  
 F: (203)758-3933



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.9</b>	42.3	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>14</b>	15	---	---
Sodium	ppm	<b>6</b>	1	---	---
Potassium	ppm	<b>3</b>	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>86</b>	338	---	---
Copper	ppm	<b>&lt;1</b>	<1	---	---
Lead	ppm	<b>&lt;1</b>	<1	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>2</b>	2	---	---
Chromium	ppm	<b>2</b>	5	---	---
Molybdenum	ppm	<b>2</b>	27	---	---
Nickel	ppm	<b>&lt;1</b>	1	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>2</b>	5	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>3736</b>	3915	---	---
Magnesium	ppm	<b>17</b>	16	---	---
Zinc	ppm	<b>1550</b>	1555	---	---
Phosphorus	ppm	<b>1097</b>	1079	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>120</b>	127	---	---

**Depot:** VOLVO0005  
**Unique No:** 11085008  
**Signed:** Don Baldrige  
**Report Date:** 19 Jun 2024

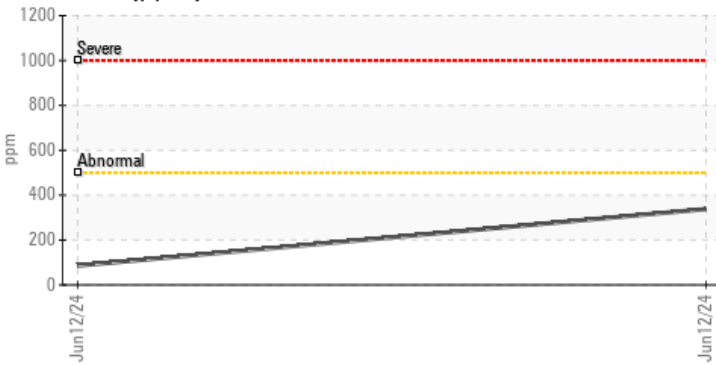


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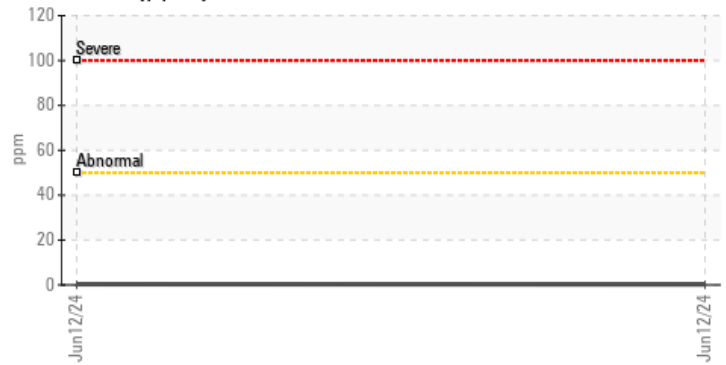


## GRAPHS

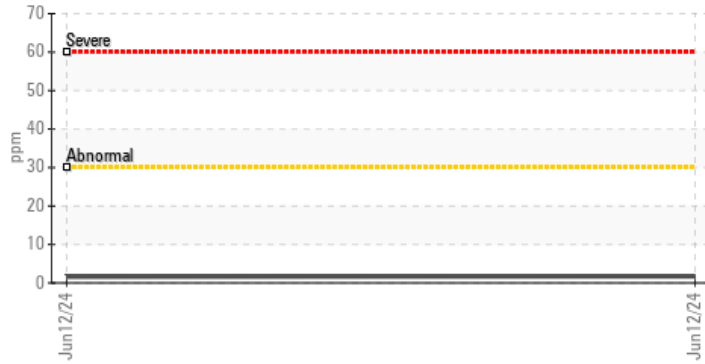
### Iron (ppm)



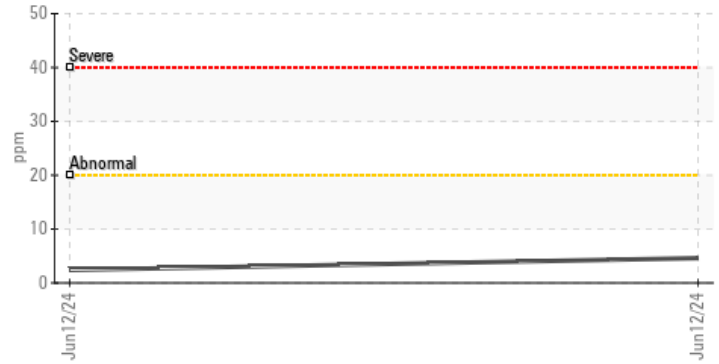
### Lead (ppm)



### Aluminum (ppm)



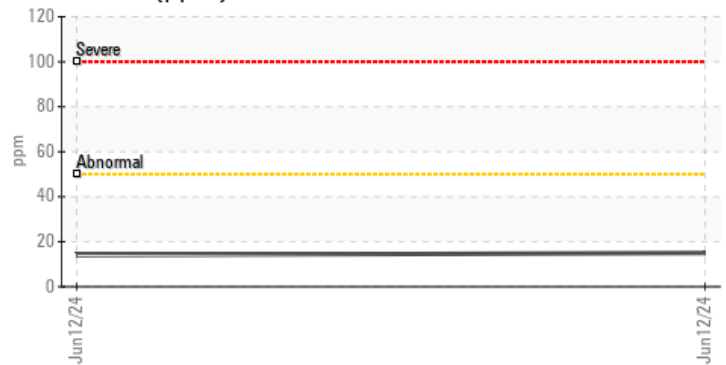
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C

