



# CONSTRUCTION EQUIPMENT

## W124640 VOLVO EC460B 11065 - REAR LEFT FINAL DRIVE



**Sample No:** VCP283588  
**Oil Type:** VOLVO AXLE  
**Job No:** W124640



### SAMPLE INFORMATION

Sample Number	<b>VCP283588</b>	VCP265873	VCP214348	VCP213528
Sample Date	<b>29 Sep 2020</b>	16 Dec 2019	25 Jan 2019	30 Jan 2018
Machine Hours	<b>14708</b>	9900	9210	8939
Oil Hours	<b>0</b>	0	750	2000
Oil Changed	<b>N/A</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
 Contact: JIM STRIGLE  
 JIM.STRIGLE@ALTG.COM  
 T: (315)437-2611  
 F: (315)434-9471



### OIL CONDITION

Visc @ 40°C	cSt	<b>137</b>	140	130.9	131.6
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### CONTAMINATION

Silicon	ppm	<b>▲ 188</b>	▲ 94	▲ 116	▲ 216
Sodium	ppm	<b>■ 6</b>	■ 4	■ 6	■ 9
Potassium	ppm	<b>■ 6</b>	■ 7	■ 8	■ 14



### WEAR METALS

Iron	ppm	<b>▲ 604</b>	■ 326	■ 476	▲ 821
Copper	ppm	<b>■ 25</b>	■ 13	■ 22	■ 39
Lead	ppm	<b>■ &lt;1</b>	■ <1	■ <1	■ <1
Tin	ppm	<b>■ 0</b>	■ 0	■ 2	■ 3
Aluminum	ppm	<b>▲ 36</b>	▲ 14	▲ 17	▲ 27
Chromium	ppm	<b>■ 6</b>	■ 3	■ 4	■ 7
Molybdenum	ppm	<b>0</b>	■ 0	■ 0	0
Nickel	ppm	<b>4</b>	2	3	5
Titanium	ppm	<b>2</b>	1	1	2
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>4</b>	■ 2	■ 3	5
Vanadium	ppm	<b>0</b>	<1	0	<1



### ADDITIVES

Calcium	ppm	<b>126</b>	■ 39	■ 94	168
Magnesium	ppm	<b>13</b>	■ 5	■ 8	15
Zinc	ppm	<b>16</b>	■ 12	■ 21	17
Phosphorus	ppm	<b>1040</b>	■ 880	■ 959	932
Barium	ppm	<b>&lt;1</b>	■ <1	■ <1	<1
Boron	ppm	<b>151</b>	■ 138	■ 196	190

### Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

**Depot:** VOLV00142  
**Unique No:** 9205539  
**Signed:** Don Baldrige  
**Report Date:** 10 Oct 2020



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## GRAPHS

