



# CONSTRUCTION EQUIPMENT

## 4163HO STANDARD CONC VOLVO L60H 62 1069 - TRANSMISSION (AUTO)



**Sample No:** VCP435009  
**Oil Type:** VOLVO AT 102  
**Job No:** 4163HO STANDARD CONC



### SAMPLE INFORMATION

Sample Number	<b>VCP435009</b>	VCP287398	---	---
Sample Date	<b>22 Aug 2023</b>	03 Nov 2020	---	---
Machine Hours	<b>11403</b>	5594	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Not Chngd	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**HIGHWAY EQUIPMENT AND SUPPLY CO**  
 200 BURKHOLDER DR.  
 EPHRATA, PA  
 US 17522  
 Contact: CHAD HERRON  
 chad@hwyequip.com  
 T: (717)859-3132  
 F: (717)859-2698



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.4</b>	27.7	---	---
-------------	-----	-------------	------	-----	-----



### CONTAMINATION

Silicon	ppm	<b>10</b>	8	---	---
Sodium	ppm	<b>9</b>	5	---	---
Potassium	ppm	<b>0</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>77</b>	58	---	---
Copper	ppm	<b>15</b>	11	---	---
Lead	ppm	<b>0</b>	<1	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>9</b>	2	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>2</b>	2	---	---
Nickel	ppm	<b>0</b>	<1	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	<1	---	---
Manganese	ppm	<b>6</b>	5	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>351</b>	360	---	---
Magnesium	ppm	<b>23</b>	29	---	---
Zinc	ppm	<b>150</b>	150	---	---
Phosphorus	ppm	<b>268</b>	273	---	---
Barium	ppm	<b>0</b>	<1	---	---
Boron	ppm	<b>62</b>	63	---	---

**Depot:** INSEPH  
**Unique No:** 10621732  
**Signed:** Don Baldrige  
**Report Date:** 29 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

