



# CONSTRUCTION EQUIPMENT

## SW-32230-2 WINCH EXC VOLVO L60H 622255 - FRONT AXLE



**Sample No:** VCP446946  
**Oil Type:** VOLVO WB 102  
**Job No:** SW-32230-2 WINCH EXC



### SAMPLE INFORMATION

Sample Number	<b>VCP446946</b>	VCP382516	---	---
Sample Date	<b>09 Apr 2024</b>	27 Apr 2023	---	---
Machine Hours	<b>2841</b>	2424	---	---
Oil Hours	<b>2841</b>	0	---	---
Oil Changed	<b>Changed</b>	Not Changd	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**ARNOLD MACHINERY COMPANY**  
 2975 WEST 2100 SOUTH  
 SALT LAKE CITY, UT  
 US 84119  
 Contact: TONY PAYAN  
 tpayan@arnoldmachinery.com  
 T: (801)972-4000  
 F: (801)975-9434



### OIL CONDITION

Visc @ 40°C	cSt	<b>39.3</b>	39.6	---	---
-------------	-----	-------------	------	-----	-----



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>15</b>	15	---	---
Sodium	ppm	<b>10</b>	11	---	---
Potassium	ppm	<b>5</b>	2	---	---

### 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>257</b>	241	---	---
Copper	ppm	<b>3</b>	2	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>1</b>	1	---	---
Chromium	ppm	<b>7</b>	8	---	---
Molybdenum	ppm	<b>5</b>	5	---	---
Nickel	ppm	<b>1</b>	<1	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>11</b>	12	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>4170</b>	3754	---	---
Magnesium	ppm	<b>12</b>	15	---	---
Zinc	ppm	<b>1706</b>	1650	---	---
Phosphorus	ppm	<b>1514</b>	1325	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>127</b>	124	---	---

**Depot:** VOLVO8770  
**Unique No:** 10981428  
**Signed:** Wes Davis  
**Report Date:** 18 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

