



# CONSTRUCTION EQUIPMENT

## 3605 TITAN VOLVO L110E 60380 - DIESEL ENGINE



**Sample No:** VCP327021

**Oil Type:** NOT GIVEN

**Job No:** 3605 TITAN



### SAMPLE INFORMATION

Sample Number	VCP327021	---	---	---
Sample Date	19 Jul 2023	---	---	---
Machine Hours	9029	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



### MCCLUNG-LOGAN EQUIPMENT CO

160 KENTMERE COURT  
WINCHESTER, VA  
US 22603

Contact: JENNIFER MATIAS  
jmatias@mcclung-logan.com  
T: (540)722-3700  
F: (540)722-4441



### OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.8	---	---	---
Oxidation (PA)	%	57	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 2.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 1	---	---	---



### WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	237	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 1451	---	---	---
Magnesium	ppm	█ 852	---	---	---
Zinc	ppm	█ 1114	---	---	---
Phosphorus	ppm	█ 905	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 304	---	---	---

**Depot:** VOLVO4589  
**Unique No:** 10564921  
**Signed:** Wes Davis  
**Report Date:** 21 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

