



# CONSTRUCTION EQUIPMENT

SCOTT JACKSON VOLVO L110H 631703 - DIESEL ENGINE



**Sample No:** VCP368340  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SCOTT JACKSON



## SAMPLE INFORMATION

Sample Number	VCP368340	---	---	---
Sample Date	25 Jan 2024	---	---	---
Machine Hours	9000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**ARNOLD MACHINERY COMPANY**  
464 WASHINGTON STREET S  
TWIN FALLS, ID  
US 83301  
Contact: JANA E HYMAS  
jhyamas@arnoldmachinery.com  
T: (208)733-1715  
F: (775)356-7152



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	51	---	---	---

## 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 15	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1238	---	---	---
Magnesium	ppm	█ 679	---	---	---
Zinc	ppm	█ 785	---	---	---
Phosphorus	ppm	█ 689	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 115	---	---	---

**Depot:** VOLVO1835  
**Unique No:** 10859448  
**Signed:** Wes Davis  
**Report Date:** 02 Feb 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

