



# CONSTRUCTION EQUIPMENT

SWA451774 IAA VOLVO L90H 625538 - DIESEL ENGINE



**Sample No:** VCP433181  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SWA451774 IAA



## SAMPLE INFORMATION

Sample Number	VCP433181	VCP382379	---	---
Sample Date	10 Jan 2024	16 Nov 2022	---	---
Machine Hours	5139	3412	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

### ALTA EQUIPMENT COMPANY

5210 REESE ROAD  
 DAVIE, FL  
 US 33314

Contact: N. FACEY  
 nfacey@altaequipfl.com  
 T: (954)581-4744  
 F: (954)583-0318



## OIL CONDITION

Visc @ 100°C	cSt	█ 14.7	█ 13.7	---	---
Base Number (BN)	mg KOH/g	█ 9.1	█ 12.1	---	---
Oxidation (PA)	%	65	87	---	---

### 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	NEG	---	---
Soot %	%	█ 0.7	█ 0.7	---	---
Nitration (PA)	%	78	78	---	---
Sulfation (PA)	%	55	67	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 5	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 2	█ 0	---	---



## WEAR METALS

Iron	ppm	█ 12	█ 11	---	---
Copper	ppm	█ 1	█ 1	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 5	█ 4	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 65	█ 47	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---



## ADDITIVES

Calcium	ppm	█ 1112	█ 1733	---	---
Magnesium	ppm	█ 1101	█ 599	---	---
Zinc	ppm	█ 1379	█ 1168	---	---
Phosphorus	ppm	█ 1159	█ 994	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 11	---	---

**Depot:** VOLVO0095  
**Unique No:** 10836660  
**Signed:** Sean Felton  
**Report Date:** 22 Jan 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

