



# CONSTRUCTION EQUIPMENT

## SWA457576 IAA VOLVO L90H 625961 - DIESEL ENGINE



**Sample No:** VCP449015  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SWA457576 IAA



### SAMPLE INFORMATION

Sample Number	<b>VCP449015</b>	VCP383224	VCP386091	---
Sample Date	<b>16 Jan 2024</b>	18 Sep 2023	26 Jun 2023	---
Machine Hours	<b>3126</b>	2502	2063	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	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	<b>14.3</b>	14.8	14.6	---
Base Number (BN)	mg KOH/g	<b>9.2</b>	9.1	9.6	---
Oxidation (PA)	%	<b>66</b>	61	65	---

### 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	%	<b>NEG</b>	NEG	NEG	---
Soot %	%	<b>0.3</b>	0.3	0.4	---
Nitration (PA)	%	<b>73</b>	65	67	---
Sulfation (PA)	%	<b>54</b>	53	55	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>4</b>	4	4	---
Sodium	ppm	<b>&lt;1</b>	1	1	---
Potassium	ppm	<b>0</b>	<1	<1	---



### WEAR METALS

Iron	ppm	<b>77</b>	89	98	---
Copper	ppm	<b>&lt;1</b>	<1	1	---
Lead	ppm	<b>&lt;1</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>4</b>	4	<1	---
Chromium	ppm	<b>2</b>	2	3	---
Molybdenum	ppm	<b>60</b>	65	59	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>0</b>	0	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>1</b>	2	1	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>1092</b>	1209	1233	---
Magnesium	ppm	<b>987</b>	1097	966	---
Zinc	ppm	<b>1318</b>	1406	1317	---
Phosphorus	ppm	<b>1058</b>	1151	1040	---
Barium	ppm	<b>0</b>	0	14	---
Boron	ppm	<b>3</b>	<1	2	---

**Depot:** VOLVO0095  
**Unique No:** 10856548  
**Signed:** Sean Felton  
**Report Date:** 31 Jan 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

