



# CONSTRUCTION EQUIPMENT

SW1032995-1 HERC VOLVO L70H 623968 - DIESEL ENGINE



**Sample No:** VCP359750  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SW1032995-1 HERC



**ARNOLD MACHINERY COMPANY**  
 4136 NORTH DONOVAN WAY  
 LAS VEGAS, NV  
 US 89030  
 Contact: TONY SHAW  
 tshaw@arnoldmachinery.com  
 T: (702)642-9000  
 F:



## SAMPLE INFORMATION

Sample Number	VCP359750	---	---	---
Sample Date	15 Apr 2024	---	---	---
Machine Hours	2016	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	48	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 4	---	---	---



## WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 5	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1298	---	---	---
Magnesium	ppm	█ 705	---	---	---
Zinc	ppm	█ 796	---	---	---
Phosphorus	ppm	█ 711	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 99	---	---	---

## 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.

**Depot:** VOLVO5856  
**Unique No:** 10992766  
**Signed:** Jonathan Hester  
**Report Date:** 25 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

