



# CONSTRUCTION EQUIPMENT

3982HR VOLVO L180H 4673 - DIESEL ENGINE



**Sample No:** VCP421983  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 3982HR



## SAMPLE INFORMATION

Sample Number	VCP421983	---	---	---
Sample Date	29 Jun 2023	---	---	---
Machine Hours	10516	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**HIGHWAY EQUIPMENT & SUPPLY CO MAIN**  
 PO BOX 1957  
 HARRISBURG, PA  
 US 17105  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	83	---	---	---

## Diagnosis

No corrective action is recommended at this time. 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 acceptable for the time in service.



## CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1720	---	---	---
Magnesium	ppm	█ 536	---	---	---
Zinc	ppm	█ 1187	---	---	---
Phosphorus	ppm	█ 961	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 51	---	---	---

**Depot:** VOLVO0025  
**Unique No:** 10545760  
**Signed:** Angela Borella  
**Report Date:** 07 Jul 2023



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## GRAPHS

