



# CONSTRUCTION EQUIPMENT

4299DR KINSLEY VOLVO A60H 350244 - DIESEL ENGINE



**Sample No:** VCP399670  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 4299DR KINSLEY



## SAMPLE INFORMATION

Sample Number	VCP399670	---	---	---
Sample Date	06 Sep 2023	---	---	---
Machine Hours	1371	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**HIGHWAY EQUIPMENT & SUPPLY CO**  
 PO BOX 127  
 DRUMS, PA  
 US 18222  
 Contact: JUSTIN BLOSS  
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 T: (570)788-1127  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	52	---	---	---

## 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 acceptable for the time in service.



## CONTAMINATION

Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---



## WEAR METALS

Iron	ppm	█ 22	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 58	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1221	---	---	---
Magnesium	ppm	█ 938	---	---	---
Zinc	ppm	█ 1320	---	---	---
Phosphorus	ppm	█ 1080	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 5	---	---	---

**Depot:** VOLVO0022  
**Unique No:** 10644699  
**Signed:** Don Baldrige  
**Report Date:** 14 Sep 2023



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## GRAPHS

