



# CONSTRUCTION EQUIPMENT

4501 ASH VOLVO A60H 350199 - DIESEL ENGINE



**Sample No:** VCP401952  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** 4501 ASH



## SAMPLE INFORMATION

Sample Number	VCP401952	---	---	---
Sample Date	27 Sep 2023	---	---	---
Machine Hours	3423	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**403 - ASCENDUM MACHINERY INC - FARGO**  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	71	---	---	---

## 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 %	%	█ 0.9	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 4	---	---	---



## WEAR METALS

Iron	ppm	█ 24	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 58	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 2002	---	---	---
Magnesium	ppm	█ 612	---	---	---
Zinc	ppm	█ 1270	---	---	---
Phosphorus	ppm	█ 1059	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 65	---	---	---

**Depot:** ASCFAR  
**Unique No:** 10672678  
**Signed:** Don Baldrige  
**Report Date:** 03 Oct 2023



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## GRAPHS

