



# CONSTRUCTION EQUIPMENT

INFRAMARK LLC VOLVO A60H 621436 - DIESEL ENGINE



**Sample No:** VCE090691  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** INFRAMARK LLC



## SAMPLE INFORMATION

Sample Number	VCE090691	---	---	---
Sample Date	09 Oct 2023	---	---	---
Machine Hours	1849	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**MCLLUNG-LOGAN EQUIPMENT CO - WISE**  
 PO BOX 1158  
 WISE, VA  
 US 24293  
 Contact: DANNY BARRINGTON  
 dbarrington@mcclung-logan.com  
 T:  
 F:



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.9	---	---	---
Base Number (BN)	mg KOH/g	█ 4.5	---	---	---
Oxidation (PA)	%	90	---	---	---

## 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 %	%	█ 1.2	---	---	---
Nitration (PA)	%	110	---	---	---
Sulfation (PA)	%	85	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 4	---	---	---



## WEAR METALS

Iron	ppm	█ 77	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ 10	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 23	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	█ 79	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 1513	---	---	---
Magnesium	ppm	850	---	---	---
Zinc	ppm	█ 1201	---	---	---
Phosphorus	ppm	█ 950	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 23	---	---	---

**Depot:** VOLVO8881  
**Unique No:** 10726921  
**Signed:** Don Baldrige  
**Report Date:** 07 Nov 2023

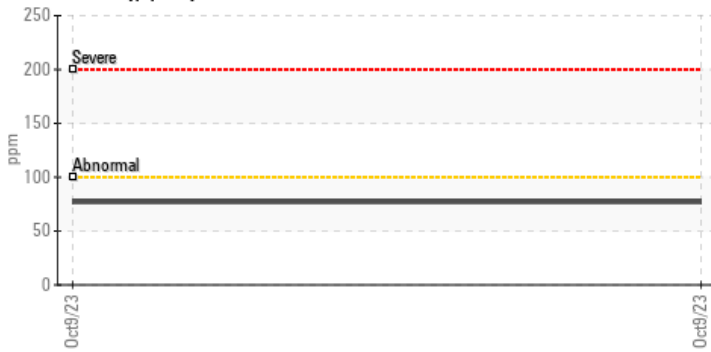


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## GRAPHS

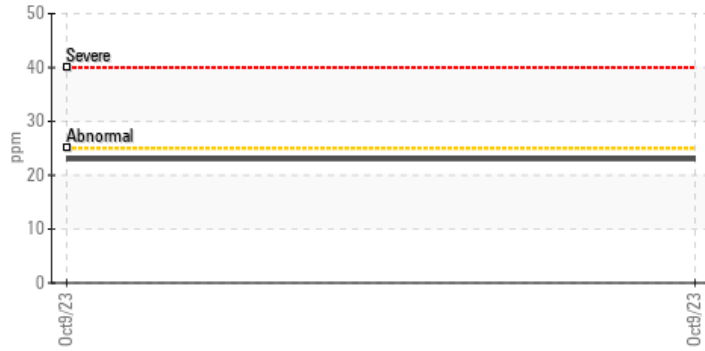
### Iron (ppm)



### Lead (ppm)



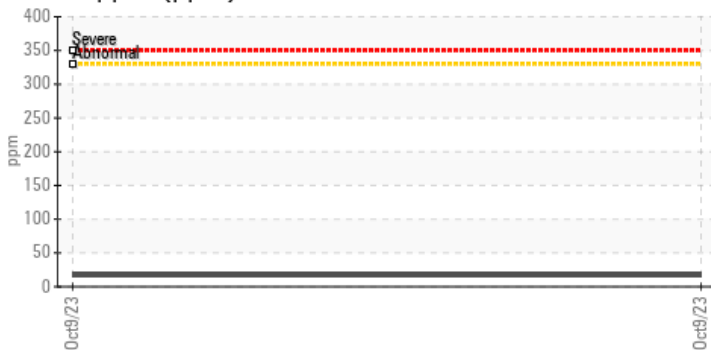
### Aluminum (ppm)



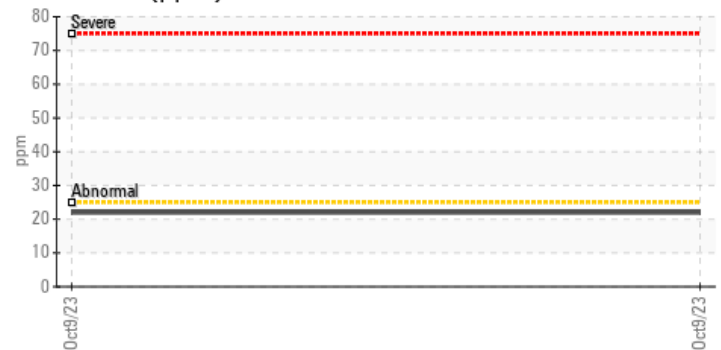
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

