



# CONSTRUCTION EQUIPMENT

9743 HERC VOLVO L70H 623001 - DIESEL ENGINE



**Sample No:** VCP439138  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** 9743 HERC



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## SAMPLE INFORMATION

Sample Number	VCP439138	---	---	---
Sample Date	06 Feb 2024	---	---	---
Machine Hours	2097	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	51	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 55	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 9	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1425	---	---	---
Magnesium	ppm	█ 607	---	---	---
Zinc	ppm	█ 1000	---	---	---
Phosphorus	ppm	█ 845	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 251	---	---	---

## 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:** VOLVO0096  
**Unique No:** 10872637  
**Signed:** Wes Davis  
**Report Date:** 12 Feb 2024



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## VOLVO GRAPHS

