



# CONSTRUCTION EQUIPMENT

730356 RUBYS VOLVO L60H 623 173 - DIESEL ENGINE



**Sample No:** VCP452769  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 730356 RUBYS



**ALTA EQUIPMENT COMPANY - METRO WEST**  
 56195 PONTIAC TRAIL  
 NEW HUDSON, MI  
 US 48165  
 Contact: PAUL CONZ  
 paul.conz@altg.com  
 T: (313)348-8861  
 F: (248)356-2029



## SAMPLE INFORMATION

Sample Number	VCP452769	VCP416917	---	---
Sample Date	19 Jun 2024	06 Sep 2023	---	---
Machine Hours	3536	1199	---	---
Oil Hours	500	1199	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	█ 13.1	---	---
Base Number (BN)	mg KOH/g	█ 10.3	█ 8.8	---	---
Oxidation (PA)	%	81	80	---	---



## CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.4	█ 0.6	---	---
Nitration (PA)	%	62	73	---	---
Sulfation (PA)	%	63	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 15	---	---
Sodium	ppm	█ 5	█ 4	---	---
Potassium	ppm	█ 2	█ 1	---	---



## WEAR METALS

Iron	ppm	█ 11	█ 43	---	---
Copper	ppm	█ 1	█ 8	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ 3	---	---
Aluminum	ppm	█ 5	▲ 14	---	---
Chromium	ppm	█ <1	█ 3	---	---
Molybdenum	ppm	█ 44	█ 35	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 4	---	---
Vanadium	ppm	<1	0	---	---



## ADDITIVES

Calcium	ppm	█ 1741	█ 1768	---	---
Magnesium	ppm	█ 609	█ 559	---	---
Zinc	ppm	█ 1274	█ 1231	---	---
Phosphorus	ppm	█ 1024	█ 996	---	---
Barium	ppm	█ 0	█ 1	---	---
Boron	ppm	█ 38	█ 47	---	---

## 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:** VOLVO2990  
**Unique No:** 11100183  
**Signed:** Wes Davis  
**Report Date:** 27 Jun 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

