



# CONSTRUCTION EQUIPMENT

## R25153 IAA-SAYREVILL VOLVO L90H 626686 - DIESEL ENGINE



**Sample No:** VCP430638  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** R25153 IAA-SAYREVILL



### SAMPLE INFORMATION

Sample Number	<b>VCP430638</b>	VCP436555	VCP441967	VCP390087
Sample Date	<b>23 May 2024</b>	07 Feb 2024	09 Oct 2023	09 Jun 2023
Machine Hours	<b>2035</b>	1531	1026	484
Oil Hours	<b>500</b>	0	0	484
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**HOFFMAN EQUIPMENT INC**  
 300 S RANDOLPHVILLE RD  
 PISCATAWAY, NJ  
 US 08854  
 Contact: IOANA BODOCHI  
 ioana.bodochi@hoffmanequip.com  
 T:  
 F: (732)968-8371



### OIL CONDITION

Visc @ 100°C	cSt	<b>13.1</b>	12.8	12.9	12.3
Base Number (BN)	mg KOH/g	<b>10.4</b>	10.0	10.6	10.0
Oxidation (PA)	%	<b>80</b>	80	80	73

### 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.



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.2</b>	0.1	0.2	0.1
Nitration (PA)	%	<b>53</b>	50	52	53
Sulfation (PA)	%	<b>61</b>	61	61	60
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	0.2
Silicon	ppm	<b>6</b>	4	8	13
Sodium	ppm	<b>1</b>	2	4	3
Potassium	ppm	<b>1</b>	0	2	<1



### WEAR METALS

Iron	ppm	<b>8</b>	6	8	12
Copper	ppm	<b>&lt;1</b>	<1	2	3
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	<1	<1	1
Aluminum	ppm	<b>2</b>	2	2	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>41</b>	39	39	48
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	2
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>1559</b>	1653	1570	1693
Magnesium	ppm	<b>484</b>	511	497	534
Zinc	ppm	<b>1056</b>	1144	1107	1069
Phosphorus	ppm	<b>960</b>	974	939	885
Barium	ppm	<b>1</b>	<1	0	0
Boron	ppm	<b>59</b>	59	41	63

**Depot:** HOFPISNJ  
**Unique No:** 11057073  
**Signed:** Wes Davis  
**Report Date:** 31 May 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

