



# CONSTRUCTION EQUIPMENT

## R2285P IAA SAYREVILL VOLVO L90H 625942 - DIESEL ENGINE



**Sample No:** VCP390254  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** R2285P IAA SAYREVILL



### SAMPLE INFORMATION

Sample Number	<b>VCP390254</b>	VCP390248	VCP399073	VCP384755
Sample Date	<b>16 Aug 2023</b>	04 May 2023	24 Jan 2023	19 Oct 2022
Machine Hours	<b>3561</b>	3053	2516	2017
Oil Hours	<b>500</b>	500	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ATTENTION

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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.1</b>	13.1	13.4	▲ 13.3
Base Number (BN)	mg KOH/g	<b>10.0</b>	9.2	9.7	12.0
Oxidation (PA)	%	<b>79</b>	76	60	86



### CONTAMINATION

Soot %	%	<b>0.2</b>	0.2	0.2	0.2
Nitration (PA)	%	<b>54</b>	53	56	58
Sulfation (PA)	%	<b>59</b>	55	53	65
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>8</b>	6	5	4
Sodium	ppm	<b>3</b>	3	1	2
Potassium	ppm	<b>4</b>	3	0	0



### WEAR METALS

Iron	ppm	<b>13</b>	12	13	8
Copper	ppm	<b>3</b>	<1	<1	<1
Lead	ppm	<b>1</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>4</b>	3	3	2
Chromium	ppm	<b>1</b>	<1	1	<1
Molybdenum	ppm	<b>41</b>	44	60	43
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1748</b>	1749	1250	1698
Magnesium	ppm	<b>536</b>	602	937	534
Zinc	ppm	<b>1185</b>	1229	1237	1089
Phosphorus	ppm	<b>959</b>	962	1000	930
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>43</b>	48	4	45

### 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:** HOFPISNJ  
**Unique No:** 10622177  
**Signed:** Wes Davis  
**Report Date:** 29 Aug 2023



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## VOLVO GRAPHS

