

## CONSTRUCTION EQUIPMENT

W07013547 STANLEY VOLVO A45G 342386 - DIESEL ENGINE

Sample No: VCP414566
Oil Type: MOBIL 15W40

**Job No:** W07013547 STANLEY

%

%

ppm

ppm

Glycol

Silicon

Sodium

Fuel

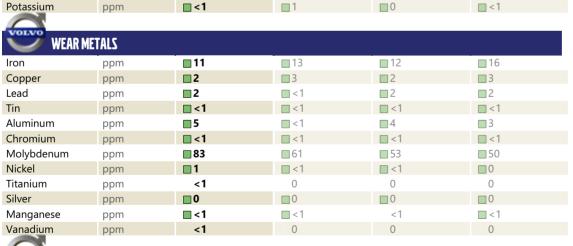
NEG

<1.0

**5** 

**3** 

SAMPLE	NFORMATION							
Sample Number		VCP414566	VCP421124	VCP381121	VCP372987			
Sample Date		11 Oct 2023	17 Apr 2023	22 Nov 2022	20 Jul 2022			
Machine Hours		7383	6875	6467	5855			
Oil Hours		0	500	600	0			
Oil Changed		Changed	Changed	Changed	Changed			
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL			
OIL CONDITION								
Visc @ 100°C	cSt	<b>13.3</b>	□13.1	■13.1	■13.1			
Base Number (BN)	mg KOH/g	<b>5.7</b>	<b>6.7</b>	<b>7.4</b>	<b>6.5</b>			
Oxidation (PA)	%	60	74	88	96			
CONTAMINATION								
Soot %	%	■ 0.3	■ 0.3	■ 0.5	■ 0.7			
Nitration (PA)	%	83	87	98	105			
Sulfation (PA)	%	53	57	66	70			



NEG

< 1.0

**2** 

NEG

<1.0

**5** 

NEG

< 1.0

**1**5

**1** 

ADDITIVES								
Calcium	ppm	<b>1935</b>	■1226	<b>1257</b>	<b>1294</b>			
Magnesium	ppm	<b>133</b>	■800	<b>758</b>	<b>728</b>			
Zinc	ppm	<b>1084</b>	■950	■851	□929			
Phosphorus	ppm	■866	<b>728</b>	718	<b>7</b> 03			
Barium	ppm	■3	□ 0	□0	<b>0</b>			
Boron	ppm	■35	■32	□ 15	□22			



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## 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:VOLVO8882Unique No:10697597Signed:Wes DavisReport Date:17 Oct 2023



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