



# CONSTRUCTION EQUIPMENT

## W07013956-1 STANLEY VOLVO A35G 340181 - DIESEL ENGINE



**Sample No:** VCP447967  
**Oil Type:** MOBIL 15W40  
**Job No:** W07013956-1 STANLEY



### SAMPLE INFORMATION

Sample Number	<b>VCP447967</b>	VCP414583	VCP425043	VCP405009
Sample Date	<b>11 Dec 2023</b>	04 Oct 2023	10 Jul 2023	14 Apr 2023
Machine Hours	<b>11136</b>	10764	10225	9829
Oil Hours	<b>0</b>	0	500	0
Oil Changed	<b>Changed</b>	Changed	N/A	Changed
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	NORMAL

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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.6</b>	12.3	12.4	12.7
Base Number (BN)	mg KOH/g	<b>6.0</b>	7.2	8.6	7.3
Oxidation (PA)	%	<b>54</b>	66	66	68

### 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>	0.2	0.2	0.2
Nitration (PA)	%	<b>73</b>	73	74	65
Sulfation (PA)	%	<b>50</b>	53	54	52
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	1.1	<1.0
Silicon	ppm	<b>8</b>	7	10	6
Sodium	ppm	<b>0</b>	3	5	<1
Potassium	ppm	<b>2</b>	0	0	0



### WEAR METALS

Iron	ppm	<b>9</b>	7	10	8
Copper	ppm	<b>1</b>	<1	1	8
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	<1	0
Aluminum	ppm	<b>5</b>	6	5	4
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>82</b>	44	50	39
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	<1	0



### ADDITIVES

Calcium	ppm	<b>1947</b>	1107	1328	1780
Magnesium	ppm	<b>106</b>	707	761	436
Zinc	ppm	<b>1085</b>	814	922	1087
Phosphorus	ppm	<b>900</b>	676	778	898
Barium	ppm	<b>12</b>	0	0	0
Boron	ppm	<b>48</b>	17	27	25

**Depot:** VOLVO8882  
**Unique No:** 10790965  
**Signed:** Wes Davis  
**Report Date:** 16 Dec 2023



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## GRAPHS

