



# CONSTRUCTION EQUIPMENT

## SPM581084 WM ROCKDAL VOLVO L150H 7152 - DIESEL ENGINE



**Sample No:** VCP420187  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM581084 WM ROCKDAL



### SAMPLE INFORMATION

Sample Number	<b>VCP420187</b>	VCP409351	VCP416576	VCP404605
Sample Date	<b>26 Jul 2023</b>	05 Jul 2023	25 May 2023	24 Apr 2023
Machine Hours	<b>1575</b>	1396	1087	867
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.6</b>	13.7	13.6	14.0
Base Number (BN)	mg KOH/g	<b>8.7</b>	9.7	8.0	7.7
Oxidation (PA)	%	<b>55</b>	57	59	53

### CONTAMINATION

Soot %	%	<b>0.2</b>	0.2	0.3	0.2
Nitration (PA)	%	<b>54</b>	54	62	50
Sulfation (PA)	%	<b>50</b>	53	55	47
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>6</b>	5	8	8
Sodium	ppm	<b>1</b>	<1	1	<1
Potassium	ppm	<b>2</b>	<1	0	1

### 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.

### WEAR METALS

Iron	ppm	<b>5</b>	5	9	6
Copper	ppm	<b>5</b>	6	39	38
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>1</b>	<1	<1	0
Aluminum	ppm	<b>2</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	0
Molybdenum	ppm	<b>60</b>	59	63	62
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>&lt;1</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>1060</b>	1092	1200	1210
Magnesium	ppm	<b>978</b>	1013	903	927
Zinc	ppm	<b>1314</b>	1350	1235	1343
Phosphorus	ppm	<b>1074</b>	1084	999	1043
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>1</b>	2	2	4

**Depot:** VOLVO8885  
**Unique No:** 10601879  
**Signed:** Wes Davis  
**Report Date:** 11 Aug 2023



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## VOLVO GRAPHS

