



# CONSTRUCTION EQUIPMENT

## VOLVO L250H 1200 - DIESEL ENGINE



**Sample No:** VCP187803

**Oil Type:** DIESEL ENGINE OIL SAE 15W40

**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP187803</b>	VCP210670	VCP188843	VCP208151D
Sample Date	<b>10 Jun 2023</b>	10 May 2023	13 Apr 2023	15 Mar 2023
Machine Hours	<b>15500</b>	15250	15000	14756
Oil Hours	<b>250</b>	250	250	250
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### WRIGHT MATERIALS INC

5706 FM 3088  
ROBSTOWN, TX  
US 78380

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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.3</b>	13.3	12.8	12.9
Base Number (BN)	mg KOH/g	<b>10.0</b>	10.0	9.5	10.1
Oxidation (PA)	%	<b>56</b>	57	55	55

### 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

Soot %	%	<b>0.1</b>	0.1	0.1	0.1
Nitration (PA)	%	<b>53</b>	48	48	51
Sulfation (PA)	%	<b>52</b>	52	50	52
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>3</b>	4	5	4
Sodium	ppm	<b>2</b>	<1	1	1
Potassium	ppm	<b>&lt;1</b>	1	<1	1



### WEAR METALS

Iron	ppm	<b>2</b>	2	2	1
Copper	ppm	<b>&lt;1</b>	<1	<1	0
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	<1
Aluminum	ppm	<b>0</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	0	<1	0
Molybdenum	ppm	<b>57</b>	63	58	56
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1072</b>	1102	1042	1100
Magnesium	ppm	<b>905</b>	964	945	964
Zinc	ppm	<b>1199</b>	1299	1262	1304
Phosphorus	ppm	<b>1010</b>	1063	1046	994
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>&lt;1</b>	1	2	3

**Depot:** WRIROB  
**Unique No:** 10548603  
**Signed:** Wes Davis  
**Report Date:** 10 Jul 2023

**VOLVO** **GRAPHS**

