

# CONSTRUCTION EQUIPMENT VOLVO L260H 81 (S/N 1171) - DIESEL ENGINE



Sample No: VCP411603

Oil Type: SHELL ROTELLA T 15W40

Job No:

SAMPLE II	NFORMATION				
Sample Number		VCP411603	VCP405449	VCP396284	VCP331125
Sample Date		01 Nov 2023	21 Jul 2023	08 Feb 2023	29 Aug 2022
Machine Hours		11594	10700	10700	9605
Oil Hours		0	500	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		SEVERE	NORMAL	ATTENTION	NORMAL
sample status		SEVERE	NORIVIAL	ATTENTION	NORIVIAL
VOLVO	TION				
OIL CONDI					
/isc @ 100°C	cSt	<b>5.1</b>	<b>12.3</b>	<u>▲</u> 11.6	<b>12.3</b>
Base Number (BN)	mg KOH/g	<b>7.3</b>	□ 6.1	■3.9	<b>7.4</b>
Oxidation (PA)	%	42	62	67	61
VOLVO					
CONTAMIN	NATION				
Water	%	NEG	NEG	NEG	NEG
Soot %	%	<b>■0.1</b>	■0.3	□ 0.4	m0.2
Nitration (PA)	%	52	69	73	64
Sulfation (PA)	%	43	57	65	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	30.7	<1.0	1.2	<1.0
Silicon		<b>4</b>	■5	<b>1</b> .2	<b>4</b>
Sodium	ppm	<b>2</b>	3	4	2
Potassium		<b>3</b>	<b>3</b>	<b>1</b> 2	<b>2</b>
Otassiuiii	ppm	3		<u> </u>	<u> </u>
VOLVO					
WEAR ME	IALS	ļ.			
ron	ppm	<b>6</b>	<b>1</b> 2	<b>1</b> 0	<b>5</b>
Copper	ppm	<b>2</b>	<b>6</b>	<b>2</b>	<b>2</b>
_ead	ppm	<b>0</b>	< 1	■3	< 1
Γin	ppm	■0	<b>-</b> <1	<b>-</b> <1	<b></b>
Aluminum	ppm	<b>■</b> <1	<b>2</b>	<b>1</b>	<b>2</b>
Chromium	ppm	<b>■</b> <1	<b>-</b> <1	□ < 1             □	<b></b>
Molybdenum	ppm	18	<b>□</b> 56	<b>6</b> 9	□46
Nickel	ppm	<b>■</b> <1	<b>-</b> <1	□0	<b>0</b>
Titanium	ppm	<1	<1	0	0
Silver	ppm	■0	<b>0</b>	□0	<b>0</b>
Manganese	ppm	<b>0</b>	< 1	< 1	< 1
/anadium	ppm	0	0	0	0
ADDITIVE	<u> </u>				
Calcium	ppm	1307	<b>1710</b>	<b>1743</b>	<b>1608</b>
Magnesium	ppm	88	268	<b>161</b>	288
Zinc	ppm	733	□1101	■985	<b>1114</b>
Phosphorus	ppm	624	915	■805	□942
Barium	ppm	■3	■3	□0	<b>0</b>
Boron	ppm	<b>61</b>	41	<b>1</b> 4	■85

### J.M. HUBER

10322 HWY 53 E
MARBLE HILL, GA
US 30148
Contact: GEORGE GIBSON
george.gibson@huber.com
T: (770)893-7602
F:

#### Diagnosis

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Depot: JMHMAR
Unique No: 10781131
Signed: Wes Davis
Report Date: 18 Dec 2023



## **CONSTRUCTION EQUIPMENT**





