



# CONSTRUCTION EQUIPMENT

## W14311 VOLVO L260H 1222 - DIESEL ENGINE



**Sample No:** VCP404690  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** W14311



### SAMPLE INFORMATION

Sample Number	<b>VCP404690</b>	VCP385637	VCP354903	VCP330411
Sample Date	<b>14 Jul 2023</b>	01 Nov 2022	26 Jul 2022	15 Mar 2022
Machine Hours	<b>3075</b>	2527	2021	1495
Oil Hours	<b>500</b>	500	500	500
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**HOUSBY HEAVY EQUIPMENT, LLC**  
 4410 SE 4 MILE DR  
 ANKENY, IA  
 US 50021  
 Contact: RANDY VANDERLEEST  
 rvanderleest@housby.com  
 T:  
 F: (515)964-2865



### OIL CONDITION

Visc @ 100°C	cSt	<b>12.6</b>	13.1	13.4	13.1
Base Number (BN)	mg KOH/g	<b>9.2</b>	9.5	9.5	7.9
Oxidation (PA)	%	<b>80</b>	89	90	76



### CONTAMINATION

Soot %	%	<b>0.3</b>	0.4	0.4	0.4
Nitration (PA)	%	<b>70</b>	76	78	87
Sulfation (PA)	%	<b>61</b>	68	69	64
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>7</b>	12	8	8
Sodium	ppm	<b>3</b>	2	3	3
Potassium	ppm	<b>0</b>	2	<1	<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>9</b>	14	12	13
Copper	ppm	<b>8</b>	10	86	230
Lead	ppm	<b>0</b>	<1	2	3
Tin	ppm	<b>&lt;1</b>	<1	2	<1
Aluminum	ppm	<b>2</b>	3	4	2
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>44</b>	45	39	24
Nickel	ppm	<b>0</b>	0	1	0
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1773</b>	1630	1608	1441
Magnesium	ppm	<b>562</b>	513	522	612
Zinc	ppm	<b>1183</b>	930	940	941
Phosphorus	ppm	<b>948</b>	768	754	794
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>39</b>	21	35	33

**Depot:** VOLVO0080  
**Unique No:** 10564922  
**Signed:** Wes Davis  
**Report Date:** 21 Jul 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

