



# CONSTRUCTION EQUIPMENT

## 47621 VOLVO L60H 621088 - DIESEL ENGINE



**Sample No:** VCP434965  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 47621



### SAMPLE INFORMATION

Sample Number	VCP434965	VCP424593	VCP368088	VCP374308
Sample Date	13 Dec 2023	14 Jul 2023	28 Oct 2022	07 Jun 2022
Machine Hours	12000	11639	10972	10511
Oil Hours	500	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 100°C	cSt	12.7	13.2	13.1	13.0
Base Number (BN)	mg KOH/g	9.2	10.4	11.6	9.5
Oxidation (PA)	%	79	80	86	73

### 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	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.3	0.3	0.3
Nitration (PA)	%	54	75	70	65
Sulfation (PA)	%	59	58	64	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	6
Sodium	ppm	2	2	2	2
Potassium	ppm	0	<1	0	<1



### WEAR METALS

Iron	ppm	7	8	7	7
Copper	ppm	<1	1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	4	4	6
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	44	49	47	50
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	<1	0	0



### ADDITIVES

Calcium	ppm	1788	1869	1648	1566
Magnesium	ppm	517	493	539	598
Zinc	ppm	1153	1199	1184	1136
Phosphorus	ppm	981	957	942	940
Barium	ppm	0	0	0	0
Boron	ppm	46	36	36	37

**Depot:** VOLVO8531  
**Unique No:** 10833699  
**Signed:** Wes Davis  
**Report Date:** 18 Jan 2024



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## VOLVO GRAPHS

