



# CONSTRUCTION EQUIPMENT

## 2662 VOLVO L150H 4487 - DIESEL ENGINE



**Sample No:** VCP331584  
**Oil Type:** MOBIL 15W40  
**Job No:** 2662



### SAMPLE INFORMATION

Sample Number	VCP331584	VCP312535	VCP401927	VCP401926
Sample Date	09 Nov 2023	02 Oct 2023	15 Aug 2023	06 Jul 2023
Machine Hours	17740	17506	17210	16951
Oil Hours	234	296	259	201
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 100°C	cSt	13.2	12.6	12.6	12.6
Base Number (BN)	mg KOH/g	7.1	9.2	10.3	9.8
Oxidation (PA)	%	62	76	80	76

### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	64	50	48	45
Sulfation (PA)	%	51	57	61	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	4	4
Sodium	ppm	2	2	3	2
Potassium	ppm	<1	<1	0	<1

### WEAR METALS

Iron	ppm	0	2	2	2
Copper	ppm	<1	0	0	0
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	<1	2
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	112	47	39	38
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	<1	0	<1	<1

### ADDITIVES

Calcium	ppm	1339	1550	1710	1690
Magnesium	ppm	691	498	520	491
Zinc	ppm	931	876	881	880
Phosphorus	ppm	715	758	754	735
Barium	ppm	0	0	0	0
Boron	ppm	124	53	58	60

### 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.

**Depot:** SCHGRE  
**Unique No:** 10755193  
**Signed:** Jonathan Hester  
**Report Date:** 27 Nov 2023



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## GRAPHS

