



# CONSTRUCTION EQUIPMENT

## VOLVO L150H 4487 - DIESEL ENGINE



**Sample No:** VCP312535  
**Oil Type:** MOBIL 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP312535	VCP401927	VCP401926	VCP385228
Sample Date	02 Oct 2023	15 Aug 2023	06 Jul 2023	26 May 2023
Machine Hours	17506	17210	16951	16750
Oil Hours	296	259	201	16750
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 100°C	cSt	12.6	12.6	12.6	13.0
Base Number (BN)	mg KOH/g	9.2	10.3	9.8	10.2
Oxidation (PA)	%	76	80	76	80



### CONTAMINATION

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



### WEAR METALS

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



### ADDITIVES

Calcium	ppm	1550	1710	1690	1725
Magnesium	ppm	498	520	491	489
Zinc	ppm	876	881	880	895
Phosphorus	ppm	758	754	735	710
Barium	ppm	0	0	0	0
Boron	ppm	53	58	60	66

### 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:** 10700639  
**Signed:** Wes Davis  
**Report Date:** 20 Oct 2023



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## VOLVO GRAPHS

