



# CONSTRUCTION EQUIPMENT

## VOLVO L150H 5363 - DIESEL ENGINE



**Sample No:** VCP392765  
**Oil Type:** MOBIL DELVAC 1300 SUPER15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP392765</b>	VCP341187	VCP366582	VCP383671
Sample Date	<b>07 Sep 2023</b>	28 Jun 2023	17 Feb 2023	26 Dec 2022
Machine Hours	<b>8999</b>	8740	8239	8011
Oil Hours	<b>259</b>	250	228	262
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.6</b>	12.9	13.0	13.0
Base Number (BN)	mg KOH/g	<b>10.4</b>	10.2	9.8	10.6
Oxidation (PA)	%	<b>80</b>	82	57	79

### CONTAMINATION

Soot %	%	<b>0.1</b>	0.2	0.1	0.1
Nitration (PA)	%	<b>49</b>	51	48	53
Sulfation (PA)	%	<b>60</b>	60	51	61
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>3</b>	3	2	1
Sodium	ppm	<b>4</b>	0	3	3
Potassium	ppm	<b>0</b>	1	0	<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>2</b>	2	2	3
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	<1	<1	0
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>7</b>	2	<1	1
Chromium	ppm	<b>0</b>	0	<1	0
Molybdenum	ppm	<b>37</b>	41	59	46
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	<1

### ADDITIVES

Calcium	ppm	<b>1697</b>	1588	1186	1629
Magnesium	ppm	<b>543</b>	468	931	575
Zinc	ppm	<b>958</b>	891	1227	969
Phosphorus	ppm	<b>773</b>	761	979	814
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>52</b>	56	11	48

**Depot:** MARDIC  
**Unique No:** 10644721  
**Signed:** Wes Davis  
**Report Date:** 14 Sep 2023



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## VOLVO GRAPHS

