



# CONSTRUCTION EQUIPMENT

## VOLVO L150H 4375 - DIESEL ENGINE



**Sample No:** VCP416322  
**Oil Type:** MOBIL DELVAC 1300 SUPER15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP416322</b>	VCP403881	VCP390144	VCP383669
Sample Date	<b>07 Aug 2023</b>	15 May 2023	09 Mar 2023	29 Dec 2022
Machine Hours	<b>10788</b>	10497	10236	9981
Oil Hours	<b>291</b>	250	255	250
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>12.7</b>	12.9	13.0	13.0
Base Number (BN)	mg KOH/g	<b>9.8</b>	10.0	10.2	9.3
Oxidation (PA)	%	<b>80</b>	79	75	62

### 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

Soot %	%	<b>0.1</b>	0.1	0.1	0.1
Nitration (PA)	%	<b>53</b>	56	53	50
Sulfation (PA)	%	<b>59</b>	60	58	53
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	3	3	2
Sodium	ppm	<b>4</b>	4	4	2
Potassium	ppm	<b>&lt;1</b>	0	<1	<1



### WEAR METALS

Iron	ppm	<b>2</b>	3	2	3
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	<1	0	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>1</b>	0	1	<1
Chromium	ppm	<b>&lt;1</b>	<1	0	0
Molybdenum	ppm	<b>42</b>	40	43	53
Nickel	ppm	<b>0</b>	<1	<1	0
Titanium	ppm	<b>0</b>	0	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	0



### ADDITIVES

Calcium	ppm	<b>1731</b>	1598	1626	1191
Magnesium	ppm	<b>557</b>	506	549	752
Zinc	ppm	<b>976</b>	891	921	1077
Phosphorus	ppm	<b>814</b>	757	737	907
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>56</b>	58	44	15

**Depot:** MARDIC  
**Unique No:** 10602711  
**Signed:** Wes Davis  
**Report Date:** 14 Aug 2023



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## VOLVO GRAPHS

