



# CONSTRUCTION EQUIPMENT

S50401773 VOLVO L150H 6999 - DIESEL ENGINE



**Sample No:** VCP434562  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** S50401773



## SAMPLE INFORMATION

Sample Number	VCP434562	VCP400412	---	---
Sample Date	06 Oct 2023	28 Feb 2023	---	---
Machine Hours	4000	3155	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	SEVERE	---	---

### ECOLOGY AUTO PARTS

14150 VINE PL  
 CERRITOS, CA  
 US 90703  
 Contact:

## OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	12.0	---	---
Base Number (BN)	mg KOH/g	█ 9.8	█ 5.2	---	---
Oxidation (PA)	%	81	89	---	---

T:  
 F:

### 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 %	%	█ 0.2	█ 0.1	---	---
Nitration (PA)	%	51	77	---	---
Sulfation (PA)	%	61	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.8	---	---
Silicon	ppm	█ 8	● 300	---	---
Sodium	ppm	█ 2	█ 23	---	---
Potassium	ppm	█ 2	▲ 286	---	---

## WEAR METALS

Iron	ppm	█ 3	█ 172	---	---
Copper	ppm	█ <1	▲ 31	---	---
Lead	ppm	█ <1	█ 4	---	---
Tin	ppm	█ <1	█ 4	---	---
Aluminum	ppm	█ 2	▲ 107	---	---
Chromium	ppm	█ 0	█ 3	---	---
Molybdenum	ppm	█ 36	█ 657	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 0	5	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	2	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	█ 1565	█ 1231	---	---
Magnesium	ppm	█ 459	█ 157	---	---
Zinc	ppm	█ 1060	█ 440	---	---
Phosphorus	ppm	█ 916	█ 373	---	---
Barium	ppm	█ 0	█ 4	---	---
Boron	ppm	█ 47	█ 330	---	---

**Depot:** ECO CER  
**Unique No:** 10724523  
**Signed:** Wes Davis  
**Report Date:** 02 Nov 2023



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## GRAPHS

