



CONSTRUCTION EQUIPMENT

S50402005 VOLVO L110H 632476 - DIESEL ENGINE



Sample No: VCP430629
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: S50402005



SAMPLE INFORMATION

Sample Number	VCP430629	---	---	---
Sample Date	03 Nov 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

VCES- VOLVO CONSTRUCTION EQUIPMENT

22099 KNABE ROAD
CORONA, CA
US 92883
Contact: OSCAR DEL CAMPO
oscar.delcampo@vcesvolvo.com
T: (951)277-7620
F: (951)277-4550



OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 10.5	---	---	---
Oxidation (PA)	%	83	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1672	---	---	---
Magnesium	ppm	█ 512	---	---	---
Zinc	ppm	█ 1097	---	---	---
Phosphorus	ppm	█ 952	---	---	---
Barium	ppm	█ 12	---	---	---
Boron	ppm	█ 31	---	---	---

Depot: VOLVO4486
Unique No: 10790346
Signed: Wes Davis
Report Date: 15 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

