



CONSTRUCTION EQUIPMENT

SWA436324-10 VOLVO L110 632421 - DIESEL ENGINE



Sample No: VCP436257
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: SWA436324-10



ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
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SAMPLE INFORMATION

Sample Number	VCP436257	---	---	---
Sample Date	22 Dec 2023	---	---	---
Machine Hours	15171	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 10.0	---	---	---
Oxidation (PA)	%	77	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 23	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 11	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 48	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1619	---	---	---
Magnesium	ppm	█ 562	---	---	---
Zinc	ppm	█ 1204	---	---	---
Phosphorus	ppm	█ 1041	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 35	---	---	---

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: VOLVO0090
Unique No: 10857571
Signed: Don Baldrige
Report Date: 01 Feb 2024



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GRAPHS

