



CONSTRUCTION EQUIPMENT

HILLS COUNTY VOLVO L120H 633404 - DIESEL ENGINE



Sample No: VCP414720
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: HILLS COUNTY



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SAMPLE INFORMATION

Sample Number	VCP414720	---	---	---
Sample Date	28 Sep 2023	---	---	---
Machine Hours	1023	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	72	---	---	---



CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1576	---	---	---
Magnesium	ppm	█ 508	---	---	---
Zinc	ppm	█ 1112	---	---	---
Phosphorus	ppm	█ 949	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 33	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
 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: VOLVO0093
Unique No: 10700633
Signed: Wes Davis
Report Date: 20 Oct 2023



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GRAPHS

