



CONSTRUCTION EQUIPMENT

S26 JOES PAVING VOLVO P7170B 387247 - DIESEL ENGINE



Sample No: VCP411700
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: S26 JOES PAVING



SAMPLE INFORMATION

Sample Number	VCP411700	---	---	---
Sample Date	03 Nov 2023	---	---	---
Machine Hours	2032	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

VCS- VOLVO CONSTRUCTION EQUIPMENT
12345 MAPLEVIEW STREET
LAKESIDE, CA
US 92040
Contact: Mark Stewart
mark.stewart@vcesvolvo.com
T: X
F: X



OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 8.4	---	---	---
Oxidation (PA)	%	62	---	---	---



CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	46	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.4	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. 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 acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 104	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1427	---	---	---
Magnesium	ppm	█ 534	---	---	---
Zinc	ppm	█ 1252	---	---	---
Phosphorus	ppm	█ 1017	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 412	---	---	---

Depot: VOLVO4488
Unique No: 10727904
Signed: Doug Bogart
Report Date: 14 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

