



CONSTRUCTION EQUIPMENT

VOLVO A40G 752070 - DIESEL ENGINE



Sample No: VCP429574

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCP429574	---	---	---
Sample Date	11 Dec 2023	---	---	---
Machine Hours	511	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
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T:
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OIL CONDITION

Visc @ 100°C	cSt	█ 10.9	---	---	---
Base Number (BN)	mg KOH/g	█ 5.5	---	---	---
Oxidation (PA)	%	57	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a new component breaking in. Fuel content negligible. 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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	85	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.7	---	---	---
Silicon	ppm	█ 29	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 7	---	---	---



WEAR METALS

Iron	ppm	█ 15	---	---	---
Copper	ppm	█ 279	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 84	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2157	---	---	---
Magnesium	ppm	█ 24	---	---	---
Zinc	ppm	█ 1129	---	---	---
Phosphorus	ppm	█ 1011	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 29	---	---	---

Depot: RIPTAM
Unique No: 10870780
Signed: Don Baldrige
Report Date: 09 Feb 2024



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GRAPHS

