



CONSTRUCTION EQUIPMENT

VOLVO A35G 352013 - DIESEL ENGINE



Sample No: VCP338045

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP338045	---	---	---
Sample Date	18 Jun 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

Volvo Construction Equipment

312 Volvo Way
Shippensburg, PA
US 17257

Contact: EMILY HIGGINS
emily.higgins@volvo.com
T: (717)530-3023
F: (828)650-2509



OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 10.1	---	---	---
Oxidation (PA)	%	61	---	---	---

Diagnosis

We advise that you check for possible coolant leak. Check for low coolant level. We recommend an early resample to monitor this condition. All component wear rates are normal. Sodium and/or potassium levels are high. The BN result indicates that there is suitable alkalinity remaining in the oil.



CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	▲ 296	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 64	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1080	---	---	---
Magnesium	ppm	█ 1154	---	---	---
Zinc	ppm	█ 1371	---	---	---
Phosphorus	ppm	█ 1137	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 102	---	---	---

Depot: VOLVO
Unique No: 10522543
Signed: Jonathan Hester
Report Date: 21 Jun 2023



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GRAPHS

