



CONSTRUCTION EQUIPMENT

VOLVO A25G 742113 - DIESEL ENGINE



Sample No: VCP439724

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP439724	---	---	---
Sample Date	13 Oct 2023	---	---	---
Machine Hours	2830	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



UNITED RENTALS

5357 NC-11 N
WINTERVILLE, NC
US 28590
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OIL CONDITION

Visc @ 100°C	cSt	█ 10.6	---	---	---
Base Number (BN)	mg KOH/g	█ 5.6	---	---	---
Oxidation (PA)	%	63	---	---	---

Diagnosis

We advise that you check the fuel injection system. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a moderate amount of fuel present in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 5.5	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 111	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 55	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1173	---	---	---
Magnesium	ppm	█ 736	---	---	---
Zinc	ppm	█ 1175	---	---	---
Phosphorus	ppm	█ 955	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 11	---	---	---

Depot: UNIWINVC
Unique No: 10794351
Signed: Don Baldrige
Report Date: 22 Dec 2023



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GRAPHS

