



CONSTRUCTION EQUIPMENT

KELLY VOLVO A25G 752183 - DIESEL ENGINE



Sample No: VCP423985

Oil Type: NOT GIVEN

Job No: KELLY



SAMPLE INFORMATION

Sample Number	VCP423985	---	---	---
Sample Date	30 Aug 2023	---	---	---
Machine Hours	4978	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---



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OIL CONDITION

Visc @ 100°C	cSt	3.7	---	---	---
Base Number (BN)	mg KOH/g	2.5	---	---	---
Oxidation (PA)	%	97	---	---	---



CONTAMINATION

Soot %	%	0.2	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	43.7	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	1	---	---	---



WEAR METALS

Iron	ppm	5	---	---	---
Copper	ppm	0	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	48	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	779	---	---	---
Magnesium	ppm	209	---	---	---
Zinc	ppm	693	---	---	---
Phosphorus	ppm	610	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	185	---	---	---

Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0088
Unique No: 10659627
Signed: Jonathan Hester
Report Date: 26 Sep 2023



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GRAPHS

