



CONSTRUCTION EQUIPMENT

VOLVO A25G 00742418 - DIESEL ENGINE



Sample No: VCP382172
Oil Type: PETRO CANADA SUPREME SYNTHETIC 5W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP382172	---	---	---
Sample Date	12 Oct 2023	---	---	---
Machine Hours	1814	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	9.2	---	---	---
Oxidation (PA)	%	61	---	---	---



CONTAMINATION

Soot %	%	0.1	---	---	---
Nitration (PA)	%	85	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	10.3	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	<1	---	---	---

Diagnosis

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. 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. Tests confirm the presence of fuel in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	21	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	62	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1822	---	---	---
Magnesium	ppm	54	---	---	---
Zinc	ppm	984	---	---	---
Phosphorus	ppm	835	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	36	---	---	---

Depot: VOLVO3909
Unique No: 5658552
Signed: Kevin Marson
Report Date: 18 Oct 2023



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GRAPHS

