



CONSTRUCTION EQUIPMENT

SWA366673 VOLVO A40G 341124 - DIESEL ENGINE



Sample No: VCP418158
Oil Type: NOT GIVEN
Job No: SWA366673



SAMPLE INFORMATION

Sample Number	VCP418158	---	---	---
Sample Date	19 Sep 2023	---	---	---
Machine Hours	8778	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

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56195 PONTIAC TRAIL
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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.3	---	---	---
Base Number (BN)	mg KOH/g	■ 5.5	---	---	---
Oxidation (PA)	%	88	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	100	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.5	---	---	---
Silicon	ppm	■ 14	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 31	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 40	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1839	---	---	---
Magnesium	ppm	■ 546	---	---	---
Zinc	ppm	■ 958	---	---	---
Phosphorus	ppm	714	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 23	---	---	---

Depot: VOLVO2990
Unique No: 10658579
Signed: Jonathan Hester
Report Date: 25 Sep 2023



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GRAPHS

