



CONSTRUCTION EQUIPMENT

VOLVO A40G 341103 - DIESEL ENGINE



Sample No: VCP423041

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP423041	VCP405293	---	---
Sample Date	29 Jun 2023	20 Dec 2022	---	---
Machine Hours	6743	6302	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
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OIL CONDITION

Visc @ 100°C	cSt	12.3	11.6	---	---
Base Number (BN)	mg KOH/g	9.8	9.9	---	---
Oxidation (PA)	%	83	82	---	---

Diagnosis

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 no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	0.4	0.3	---	---
Nitration (PA)	%	63	74	---	---
Sulfation (PA)	%	62	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.6	---	---
Silicon	ppm	10	10	---	---
Sodium	ppm	3	11	---	---
Potassium	ppm	<1	2	---	---



WEAR METALS

Iron	ppm	18	26	---	---
Copper	ppm	<1	2	---	---
Lead	ppm	0	2	---	---
Tin	ppm	<1	3	---	---
Aluminum	ppm	4	4	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	45	46	---	---
Nickel	ppm	1	5	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1785	1702	---	---
Magnesium	ppm	543	489	---	---
Zinc	ppm	1181	1063	---	---
Phosphorus	ppm	972	873	---	---
Barium	ppm	0	0	---	---
Boron	ppm	67	41	---	---

Depot: VOLV00142
Unique No: 10545764
Signed: Jonathan Hester
Report Date: 06 Jul 2023



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GRAPHS

