



CONSTRUCTION EQUIPMENT

SWA423909 RENTAL VOLVO A40G 352585 - DIESEL ENGINE



Sample No: VCP434101
Oil Type: NOT GIVEN
Job No: SWA423909 RENTAL



SAMPLE INFORMATION

Sample Number	VCP434101	VCP0007711	---	---
Sample Date	30 Nov 2023	05 May 2023	---	---
Machine Hours	3173	0	---	---
Oil Hours	3173	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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5151 DR MARTIN LUTHER KING BLVD
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OIL CONDITION

Visc @ 100°C	cSt	12.8	13.3	---	---
Base Number (BN)	mg KOH/g	9.7	9.8	---	---
Oxidation (PA)	%	59	59	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.2	0.2	---	---
Nitration (PA)	%	61	58	---	---
Sulfation (PA)	%	52	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	5	---	---
Sodium	ppm	1	1	---	---
Potassium	ppm	<1	<1	---	---



WEAR METALS

Iron	ppm	13	10	---	---
Copper	ppm	70	57	---	---
Lead	ppm	1	1	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	2	5	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	62	56	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1247	1133	---	---
Magnesium	ppm	1008	933	---	---
Zinc	ppm	1439	1233	---	---
Phosphorus	ppm	1211	1006	---	---
Barium	ppm	0	0	---	---
Boron	ppm	1	2	---	---

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.

Depot: VOLVO0090
Unique No: 10767393
Signed: Wes Davis
Report Date: 04 Dec 2023



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GRAPHS

