



CONSTRUCTION EQUIPMENT

VOLVO A40G 342661 - DIESEL ENGINE



Sample No: VCP0008145

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCP0008145	VCP0008128	---	---
Sample Date	21 Feb 2024	21 Dec 2023	---	---
Machine Hours	4650	4650	---	---
Oil Hours	4650	4650	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
 Contact: TECHNICIAN ACCOUNT
 catherine.anastasio@wearcheck.com
 T:
 F: (904)737-1260



OIL CONDITION

Visc @ 100°C	cSt	14.0	14.0	---	---
Base Number (BN)	mg KOH/g	10.0	10.1	---	---
Oxidation (PA)	%	51	51	---	---

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. All component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is negative. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	41	41	---	---
Sulfation (PA)	%	48	48	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	6	---	---
Sodium	ppm	67	55	---	---
Potassium	ppm	80	70	---	---



WEAR METALS

Iron	ppm	7	3	---	---
Copper	ppm	23	11	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	58	57	---	---
Nickel	ppm	1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1067	1164	---	---
Magnesium	ppm	797	863	---	---
Zinc	ppm	1117	1218	---	---
Phosphorus	ppm	910	1002	---	---
Barium	ppm	1	0	---	---
Boron	ppm	8	7	---	---

Depot: VOLVO0092
Unique No: 10900942
Signed: Jonathan Hester
Report Date: 01 Mar 2024



CONSTRUCTION EQUIPMENT



GRAPHS

