



CONSTRUCTION EQUIPMENT

VOLVO L120H 632843 - DIESEL ENGINE



Sample No: VCP0008152

Oil Type: DIESEL ENGINE OIL SAE 40

Job No:



SAMPLE INFORMATION

Sample Number	VCP0008152	VCP303958	VCP274874	---
Sample Date	23 Jan 2024	19 Mar 2021	03 Dec 2020	---
Machine Hours	1068	1068	527	---
Oil Hours	1068	500	500	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY
JACKSONVILLE, FL
US 32256

Contact: SHAWN NORTHCRAFT
shawn.northcraft@altg.com
T: (904)737-6000
F: (904)737-1260



OIL CONDITION

Visc @ 100°C	cSt	14.0	14.4	12.7	---
Base Number (BN)	mg KOH/g	8.8	---	---	---
Oxidation (PA)	%	53	64	73	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.2	0.2	---
Nitration (PA)	%	53	74	58	---
Sulfation (PA)	%	50	60	61	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	9	12	---
Sodium	ppm	4	4	5	---
Potassium	ppm	2	3	8	---



WEAR METALS

Iron	ppm	6	10	17	---
Copper	ppm	1	6	13	---
Lead	ppm	<1	1	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	4	5	32	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	60	8	33	---
Nickel	ppm	<1	0	1	---
Titanium	ppm	10	70	8	---
Silver	ppm	0	<1	1	---
Manganese	ppm	<1	<1	2	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	1295	1705	1523	---
Magnesium	ppm	630	410	627	---
Zinc	ppm	1178	1164	1077	---
Phosphorus	ppm	989	997	942	---
Barium	ppm	0	0	<1	---
Boron	ppm	62	104	43	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

Metal levels are typical for a components first oil change. 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: VOLVO0092
Unique No: 10847594
Signed: Wes Davis
Report Date: 26 Jan 2024



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GRAPHS

