



CONSTRUCTION EQUIPMENT

SW1026387 BLUCOR VOLVO L110H 632598 - DIESEL ENGINE



Sample No: VCP443376
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1026387 BLUCOR



SAMPLE INFORMATION

Sample Number	VCP443376	---	---	---
Sample Date	09 Nov 2023	---	---	---
Machine Hours	722	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

ARNOLD MACHINERY COMPANY
 4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040
 Contact: RANDY PRZEKURAT
 randyp@arnoldmachinery.com
 T:
 F: (602)414-1904

OIL CONDITION

Visc @ 100°C	cSt	▲ 11.6	---	---	---
Base Number (BN)	mg KOH/g	■ 8.6	---	---	---
Oxidation (PA)	%	67	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.3	---	---	---
Silicon	ppm	■ 14	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 4	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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.

WEAR METALS

Iron	ppm	■ 35	---	---	---
Copper	ppm	■ 17	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 23	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 72	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 1	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1465	---	---	---
Magnesium	ppm	■ 569	---	---	---
Zinc	ppm	■ 1063	---	---	---
Phosphorus	ppm	■ 875	---	---	---
Barium	ppm	■ 28	---	---	---
Boron	ppm	■ 48	---	---	---

Depot: VOLVO6174
Unique No: 10751277
Signed: Jonathan Hester
Report Date: 24 Nov 2023



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GRAPHS

