



CONSTRUCTION EQUIPMENT

SPM621614 HOLCIM VOLVO A40G 752067 - DIESEL ENGINE



Sample No: VCP425260
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM621614 HOLCIM



SAMPLE INFORMATION

Sample Number	VCP425260	---	---	---
Sample Date	10 Nov 2023	---	---	---
Machine Hours	505	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:



OIL CONDITION

Visc @ 100°C	cSt	▲ 10.8	---	---	---
Base Number (BN)	mg KOH/g	■ 6.0	---	---	---
Oxidation (PA)	%	■ 56	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. 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.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	■ 78	---	---	---
Sulfation (PA)	%	■ 51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.4	---	---	---
Silicon	ppm	■ 25	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 5	---	---	---



WEAR METALS

Iron	ppm	■ 16	---	---	---
Copper	ppm	▲ 467	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 86	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 2140	---	---	---
Magnesium	ppm	■ 46	---	---	---
Zinc	ppm	■ 1134	---	---	---
Phosphorus	ppm	■ 971	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 45	---	---	---

Depot: VOLVO8885
Unique No: 10766814
Signed: Jonathan Hester
Report Date: 06 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

