



CONSTRUCTION EQUIPMENT

SPM633653 WASTE MGMT VOLVO L120H 633423 - DIESEL ENGINE



Sample No: VCP433254
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM633653 WASTE MGMT



SAMPLE INFORMATION

Sample Number	VCP433254	VCP421637	---	---
Sample Date	13 Nov 2023	01 Sep 2023	---	---
Machine Hours	989	534	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA CONSTRUCTION EQUIPMENT

613 E STEVENSON RD
 OTTAWA, IL
 US 61350

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 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	█ 12.1	---	---
Base Number (BN)	mg KOH/g	█ 9.4	█ 9.7	---	---
Oxidation (PA)	%	60	71	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	48	52	---	---
Sulfation (PA)	%	53	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 2.7	---	---
Silicon	ppm	█ 6	█ 13	---	---
Sodium	ppm	█ <1	█ 3	---	---
Potassium	ppm	█ 2	█ <1	---	---



WEAR METALS

Iron	ppm	█ 13	█ 24	---	---
Copper	ppm	█ 4	█ 10	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ <1	█ 2	---	---
Aluminum	ppm	█ 13	█ 67	---	---
Chromium	ppm	█ 1	█ 4	---	---
Molybdenum	ppm	█ 55	█ 37	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ 2	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 1088	█ 1637	---	---
Magnesium	ppm	█ 854	█ 633	---	---
Zinc	ppm	█ 1146	█ 1163	---	---
Phosphorus	ppm	█ 926	█ 961	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 5	█ 56	---	---

Depot: VOLVO5055
Unique No: 10751288
Signed: Wes Davis
Report Date: 21 Nov 2023



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GRAPHS

