



CONSTRUCTION EQUIPMENT

VOLVO A45G 352357 - DIESEL ENGINE



Sample No: VCP427079
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP427079	---	---	---
Sample Date	07 Aug 2023	---	---	---
Machine Hours	4076	---	---	---
Oil Hours	500	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

McClung-Logan Virginia LLC
 PO BOX 1158
 WISE, VA
 US 24293
 Contact: TOMMY STANLEY
 tstanley@mcclung-logan.com
 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	73	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1803	---	---	---
Magnesium	ppm	█ 561	---	---	---
Zinc	ppm	█ 1181	---	---	---
Phosphorus	ppm	█ 975	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 59	---	---	---

Depot: VOLVO8881
Unique No: 10603849
Signed: Wes Davis
Report Date: 15 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

