



CONSTRUCTION EQUIPMENT

W07013233 VOLVO A45G 353076 - DIESEL ENGINE



Sample No: VCP314403
Oil Type: MOBIL 15W40
Job No: W07013233



SAMPLE INFORMATION

Sample Number	VCP314403	---	---	---
Sample Date	30 Aug 2023	---	---	---
Machine Hours	1404	---	---	---
Oil Hours	200	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

McClung-Logan Virginia LLC- RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KYLE RATLIFFE
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	86	---	---	---



CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	82	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. Tests do not reveal cause for reported problem. 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 acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 18	---	---	---
Copper	ppm	█ 16	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1675	---	---	---
Magnesium	ppm	█ 521	---	---	---
Zinc	ppm	█ 1025	---	---	---
Phosphorus	ppm	█ 840	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 26	---	---	---

Depot: VOLVO8882
Unique No: 10630628
Signed: Don Baldrige
Report Date: 05 Sep 2023



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GRAPHS

