



CONSTRUCTION EQUIPMENT

24109 VOLVO A45G 353377 - DIESEL ENGINE



Sample No: VCP433647
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 24109



SAMPLE INFORMATION

Sample Number	VCP433647	---	---	---
Sample Date	26 Sep 2023	---	---	---
Machine Hours	2758	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 NORTH CHARLESTON, SC
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	---	---	---
Base Number (BN)	mg KOH/g	█ 6.2	---	---	---
Oxidation (PA)	%	62	---	---	---

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 acceptable for the time in service.



CONTAMINATION

Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	67	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 101	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1556	---	---	---
Magnesium	ppm	█ 498	---	---	---
Zinc	ppm	█ 1362	---	---	---
Phosphorus	ppm	█ 1126	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 371	---	---	---

Depot: VOLVO3387
Unique No: 10672676
Signed: Don Baldrige
Report Date: 03 Oct 2023



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GRAPHS

