



CONSTRUCTION EQUIPMENT

549387 VOLVO L90H 626204 - DIESEL ENGINE



Sample No: VCP430341
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 549387



SAMPLE INFORMATION

Sample Number	VCP430341	---	---	---
Sample Date	07 May 2024	---	---	---
Machine Hours	1435	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT
 5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 10.3	---	---	---
Oxidation (PA)	%	77	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	50	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 44	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1774	---	---	---
Magnesium	ppm	█ 578	---	---	---
Zinc	ppm	█ 1094	---	---	---
Phosphorus	ppm	█ 977	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 70	---	---	---

Depot: VOLVO0142
Unique No: 11019673
Signed: Wes Davis
Report Date: 10 May 2024



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GRAPHS

