



CONSTRUCTION EQUIPMENT

607754 ATLAS ORGANIC VOLVO L120H 632572 - DIESEL ENGINE



Sample No: VCP426245
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 607754 ATLAS ORGANIC



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 john.fardella@altg.com
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP426245	---	---	---
Sample Date	27 Sep 2023	---	---	---
Machine Hours	9971	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	61	---	---	---



CONTAMINATION

Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 19	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 14	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 63	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1212	---	---	---
Magnesium	ppm	█ 944	---	---	---
Zinc	ppm	█ 1411	---	---	---
Phosphorus	ppm	█ 1140	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 3	---	---	---

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.

Depot: VOLVO0093
Unique No: 10708810
Signed: Don Baldrige
Report Date: 25 Oct 2023



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GRAPHS

