



CONSTRUCTION EQUIPMENT

ATLAS VOLVO L70H 624670 - DIESEL ENGINE



Sample No: VCP432216
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: ATLAS



SAMPLE INFORMATION

Sample Number	VCP432216	VCP414743	---	---
Sample Date	20 Dec 2023	18 Sep 2023	---	---
Machine Hours	2474	1489	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 13.4	---	---
Base Number (BN)	mg KOH/g	█ 10.1	█ 8.8	---	---
Oxidation (PA)	%	73	59	---	---

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	NEG	---	---
Soot %	%	█ 0.3	█ 0.4	---	---
Nitration (PA)	%	57	61	---	---
Sulfation (PA)	%	58	52	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 4	---	---
Sodium	ppm	█ 1	█ 3	---	---
Potassium	ppm	█ <1	█ 1	---	---



WEAR METALS

Iron	ppm	█ 99	█ 131	---	---
Copper	ppm	█ <1	█ 2	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 2	█ 3	---	---
Chromium	ppm	█ <1	█ 2	---	---
Molybdenum	ppm	█ 43	█ 61	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1699	█ 1824	---	---
Magnesium	ppm	█ 478	█ 441	---	---
Zinc	ppm	█ 1214	█ 1340	---	---
Phosphorus	ppm	█ 910	█ 1090	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 22	█ 0	---	---

Depot: VOLVO0093
Unique No: 10823688
Signed: Wes Davis
Report Date: 12 Jan 2024



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GRAPHS

