



CONSTRUCTION EQUIPMENT

661038 ATLAS VOLVO L70H 623710 - FRONT AXLE



Sample No: VCP437685
Oil Type: VOLVO WB 102
Job No: 661038 ATLAS



SAMPLE INFORMATION

Sample Number	VCP437685	VCP401708	VCP425060	---
Sample Date	22 Jan 2024	12 Oct 2023	29 Jun 2023	---
Machine Hours	9343	8743	8172	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	ATTENTION	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.7	43.5	43.3	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	6	8	5	---
Sodium	ppm	<1	2	2	---
Potassium	ppm	1	0	2	---

Diagnosis

The oil change at the time of sampling has been noted. 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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	50	44	102	---
Copper	ppm	0	<1	3	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	<1	<1	0	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	5	5	7	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	2	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1506	1939	1045	---
Magnesium	ppm	32	38	23	---
Zinc	ppm	900	912	784	---
Phosphorus	ppm	733	784	666	---
Barium	ppm	0	0	0	---
Boron	ppm	64	72	36	---

Depot: VOLVO0096
Unique No: 10849952
Signed: Don Baldrige
Report Date: 31 Jan 2024



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GRAPHS

