



CONSTRUCTION EQUIPMENT

687947 ATLAS ORG VOLVO L70H 623753 - FRONT AXLE



Sample No: VCP455082
Oil Type: VOLVO WB 102
Job No: 687947 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP455082	VCP432902	VCP425065	---
Sample Date	13 Mar 2024	21 Dec 2023	29 Jun 2023	---
Machine Hours	8707	8081	6718	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	42.6	41.9	39.9	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	17	10	15	---
Sodium	ppm	<1	2	7	---
Potassium	ppm	2	0	0	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	39	44	177	---
Copper	ppm	2	1	1	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	3	2	<1	---
Chromium	ppm	1	<1	6	---
Molybdenum	ppm	7	7	15	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	2	13	---
Vanadium	ppm	<1	<1	<1	---



ADDITIVES

Calcium	ppm	5100	3065	3778	---
Magnesium	ppm	41	12	13	---
Zinc	ppm	2042	1380	1558	---
Phosphorus	ppm	1473	1217	1299	---
Barium	ppm	0	0	0	---
Boron	ppm	157	102	141	---

Depot: VOLVO0096
Unique No: 10938168
Signed: Wes Davis
Report Date: 21 Mar 2024



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GRAPHS

