



CONSTRUCTION EQUIPMENT

A11036 LEW VOLVO A40G 342518 - FRONT AXLE



Sample No: VCP412827
Oil Type: MOBIL GO 102
Job No: A11036 LEW



HOFFMAN EQUIPMENT - LIONVILLE
120 GORDON DRIVE
LIONVILLE, PA
US 19341
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SAMPLE INFORMATION

Sample Number	VCP412827	VCP389502	---	---
Sample Date	14 Sep 2023	18 Oct 2022	---	---
Machine Hours	5000	4365	---	---
Oil Hours	1000	2000	---	---
Oil Changed	Not Changed	Changed	---	---
Sample Status	ATTENTION	ATTENTION	---	---



OIL CONDITION

Visc @ 40°C	cSt	▲ 51.8	▲ 52.0	---	---
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CONTAMINATION

Silicon	ppm	■ 2	■ 1	---	---
Sodium	ppm	■ 1	■ 1	---	---
Potassium	ppm	■ 0	■ 0	---	---



WEAR METALS

Iron	ppm	■ 8	■ 20	---	---
Copper	ppm	■ 0	■ 0	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ 1	■ 0	---	---
Chromium	ppm	■ <1	■ 0	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	82	22	---	---
Magnesium	ppm	<1	0	---	---
Zinc	ppm	12	8	---	---
Phosphorus	ppm	2757	2342	---	---
Barium	ppm	0	0	---	---
Boron	ppm	285	302	---	---

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 oil viscosity is lower than normal. Confirm oil type.

Depot: VOLVO8879
Unique No: 10673212
Signed: Don Baldrige
Report Date: 04 Oct 2023



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GRAPHS

