



CONSTRUCTION EQUIPMENT

378460 VOLVO L90H 625728 - FRONT AXLE



Sample No: VCP352689
Oil Type: VOLVO AT 102
Job No: 378460



SAMPLE INFORMATION

Sample Number	VCP352689	---	---	---
Sample Date	18 Sep 2023	---	---	---
Machine Hours	4040	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO EQUIPMENT--CALGARY

7923 54TH STREET SE
 CALGARY, AB
 CA T2C 4R7
 Contact: Tracey Lewin
 tlewin@strongco.com
 T: (403)216-1010
 F: (403)216-1016



OIL CONDITION

Visc @ 40°C	cSt	■ 38.9	---	---	---
-------------	-----	--------	-----	-----	-----



CONTAMINATION

Silicon	ppm	■ 11	---	---	---
Sodium	ppm	■ 10	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 178	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 8	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 10	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	3725	---	---	---
Magnesium	ppm	■ 12	---	---	---
Zinc	ppm	1552	---	---	---
Phosphorus	ppm	1366	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 107	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO3909
Unique No: 5645166
Signed: Wes Davis
Report Date: 20 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

