



CONSTRUCTION EQUIPMENT

SW-32959-2 CASTLE VA VOLVO L70H 622855 - FRONT AXLE



Sample No: VCP445704
Oil Type: VOLVO WB 102
Job No: SW-32959-2 CASTLE VA



SAMPLE INFORMATION

Sample Number	VCP445704	VCP406322	---	---
Sample Date	12 Apr 2024	24 May 2023	---	---
Machine Hours	6333	4082	---	---
Oil Hours	2300	2000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH
 SALT LAKE CITY, UT
 US 84119

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OIL CONDITION

Visc @ 40°C	cSt	56.0	104	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	5	4	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	0	0	---	---



WEAR METALS

Iron	ppm	68	65	---	---
Copper	ppm	0	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	1	2	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	3	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	2620	744	---	---
Magnesium	ppm	<1	4	---	---
Zinc	ppm	1069	297	---	---
Phosphorus	ppm	1196	934	---	---
Barium	ppm	0	0	---	---
Boron	ppm	47	152	---	---

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.

Depot: VOLVO8770
Unique No: 10990320
Signed: Sean Felton
Report Date: 24 Apr 2024



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GRAPHS

