



CONSTRUCTION EQUIPMENT

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



Sample No: VCP446581
Oil Type: VOLVO WB 102
Job No: SW-32959-2 CASTLE VA



SAMPLE INFORMATION

Sample Number	VCP446581	VCP406316	VCP249910	---
Sample Date	12 Apr 2024	24 May 2023	24 Jun 2019	---
Machine Hours	6333	4082	531	---
Oil Hours	2300	2000	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	54.9	114	119	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	14	4	15	---
Sodium	ppm	1	2	3	---
Potassium	ppm	0	0	5	---

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	106	69	60	---
Copper	ppm	38	44	101	---
Lead	ppm	0	0	3	---
Tin	ppm	5	2	3	---
Aluminum	ppm	2	<1	2	---
Chromium	ppm	2	<1	4	---
Molybdenum	ppm	<1	<1	6	---
Nickel	ppm	0	0	1	---
Titanium	ppm	0	<1	1	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	2	8	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	2751	506	4424	---
Magnesium	ppm	2	3	12	---
Zinc	ppm	1094	213	1734	---
Phosphorus	ppm	1225	898	1261	---
Barium	ppm	0	0	<1	---
Boron	ppm	46	158	119	---

Depot: VOLVO8770
Unique No: 10990319
Signed: Sean Felton
Report Date: 24 Apr 2024



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GRAPHS

