



CONSTRUCTION EQUIPMENT

VOLVO L90G 617795 - REAR AXLE



Sample No: VCP438056
Oil Type: CASTROL 75W
Job No:



SAMPLE INFORMATION

Sample Number	VCP438056	VCP441956	---	---
Sample Date	09 Jan 2024	08 Jan 2024	---	---
Machine Hours	8921	8419	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

WHITAKER CONSTRUCTION

44 SOUTH 1050
 BRIGHAM CITY, UT
 US 84302
 Contact: Dave Wickman
 dave.wickam@whitcon.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	42.5	36.1	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	16	15	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	0	0	---	---

Diagnosis

We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. 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	99	393	---	---
Copper	ppm	13	92	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	8	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3417	1541	---	---
Magnesium	ppm	23	14	---	---
Zinc	ppm	1451	706	---	---
Phosphorus	ppm	1147	669	---	---
Barium	ppm	0	0	---	---
Boron	ppm	104	44	---	---

Depot: WHIBRIUT
Unique No: 10832904
Signed: Don Baldrige
Report Date: 17 Jan 2024



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GRAPHS

