



CONSTRUCTION EQUIPMENT

IMPACT AUTO VOLVO L90H 623901 - REAR AXLE



Sample No: VCP394695
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP394695	VCP252016	VCP213488	---
Sample Date	14 Jul 2023	03 Mar 2020	21 Mar 2019	---
Machine Hours	12030	6006	4011	---
Oil Hours	2000	0	4000	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	41.6	40.7	40.6	---
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CONTAMINATION

Silicon	ppm	20	13	14	---
Sodium	ppm	10	6	2	---
Potassium	ppm	2	1	<1	---

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	84	79	216	---
Copper	ppm	11	42	268	---
Lead	ppm	0	1	8	---
Tin	ppm	1	5	30	---
Aluminum	ppm	2	1	1	---
Chromium	ppm	1	2	7	---
Molybdenum	ppm	<1	<1	4	---
Nickel	ppm	<1	<1	2	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	2	3	11	---
Vanadium	ppm	0	<1	<1	---

ADDITIVES

Calcium	ppm	4069	4288	4027	---
Magnesium	ppm	21	13	12	---
Zinc	ppm	1633	1696	1613	---
Phosphorus	ppm	1422	1389	1341	---
Barium	ppm	0	0	0	---
Boron	ppm	120	127	116	---

Depot: VOLVO0252
Unique No: 5616553
Signed: Wes Davis
Report Date: 21 Jul 2023



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GRAPHS

