



CONSTRUCTION EQUIPMENT

IMPACT AUTO 394833 VOLVO L90H 623902 - REAR AXLE



Sample No: VCP392406
Oil Type: VOLVO WB 102
Job No: 394833



SAMPLE INFORMATION

Sample Number	VCP392406	VCP429999	VCP260730	VCP222903
Sample Date	15 Feb 2024	04 Dec 2023	18 Feb 2020	16 Oct 2018
Machine Hours	10000	9563	4300	2185
Oil Hours	2000	0	0	200
Oil Changed	Changed	Not Changd	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.4	45.6	40.2	41.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	15	14	13
Sodium	ppm	1	1	7	<1
Potassium	ppm	<1	<1	2	<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	30	20	33	22
Copper	ppm	4	3	46	42
Lead	ppm	0	<1	1	1
Tin	ppm	<1	<1	5	4
Aluminum	ppm	2	2	<1	<1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	<1	0	2	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	4466	4103	4289	4087
Magnesium	ppm	20	16	14	11
Zinc	ppm	1656	1605	1759	1633
Phosphorus	ppm	1343	1274	1408	1308
Barium	ppm	<1	<1	0	0
Boron	ppm	127	119	126	119

Depot: VOLVO3908
Unique No: 5733886
Signed: Wes Davis
Report Date: 20 Feb 2024



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GRAPHS

