



CONSTRUCTION EQUIPMENT

579739 VOLVO L90H 624033 - FRONT AXLE



Sample No: VCP425795
Oil Type: VOLVO WB 102
Job No: 579739



SAMPLE INFORMATION

Sample Number	VCP425795	VCP400228	VCP359348	VCP301383
Sample Date	18 Jul 2023	07 Dec 2022	17 May 2022	13 Jan 2021
Machine Hours	9461	8375	7309	5018
Oil Hours	1400	2000	1000	1000
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
rturner@ripatampa.com
T:
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OIL CONDITION

Visc @ 40°C	cSt	43.5	41.4	41.9	42.5
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CONTAMINATION

Silicon	ppm	13	14	12	14
Sodium	ppm	2	11	8	12
Potassium	ppm	0	0	2	0



WEAR METALS

Iron	ppm	22	35	28	9
Copper	ppm	<1	0	<1	<1
Lead	ppm	0	0	0	5
Tin	ppm	0	<1	0	0
Aluminum	ppm	1	2	1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	7	7	7
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	<1	1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3781	3841	3818	4474
Magnesium	ppm	15	34	32	36
Zinc	ppm	1523	1465	1601	1772
Phosphorus	ppm	1278	1200	1234	1413
Barium	ppm	0	0	2	0
Boron	ppm	107	133	152	135

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: RIPTAM
Unique No: 10572464
Signed: Wes Davis
Report Date: 25 Jul 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

