



CONSTRUCTION EQUIPMENT

2825-1 VOLVO L90F 3199 - FRONT AXLE



Sample No: VCP445919
Oil Type: VOLVO WB 102
Job No: 2825-1



SAMPLE INFORMATION

Sample Number	VCP445919	VCP408337	VCP407763	VCP390160
Sample Date	20 Feb 2024	26 Sep 2023	28 Jun 2023	28 Mar 2023
Machine Hours	18494	17537	16948	16484
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	41.6	44.3	45.8	43.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	16	12	13	13
Sodium	ppm	<1	1	3	3
Potassium	ppm	<1	1	0	0

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	6	9	8	6
Copper	ppm	<1	0	0	0
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	3	1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	3274	4025	3825	4069
Magnesium	ppm	15	17	21	20
Zinc	ppm	1518	1691	1497	1562
Phosphorus	ppm	1177	1302	1230	1247
Barium	ppm	0	0	0	0
Boron	ppm	30	156	170	144

Depot: VOLVO1023
Unique No: 10903725
Signed: Wes Davis
Report Date: 01 Mar 2024



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VOLVO GRAPHS

