



CONSTRUCTION EQUIPMENT

2523-1 VOLVO L90F 3199 - FRONT AXLE



Sample No: VCP407763
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 2523-1



SAMPLE INFORMATION

Sample Number	VCP407763	VCP390160	VCP380621	VCP346499
Sample Date	28 Jun 2023	28 Mar 2023	13 Dec 2022	17 Feb 2022
Machine Hours	16948	16484	15806	13800
Oil Hours	0	0	0	2000
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

MCCLUNG LOGAN

17941 SUSSEX HIGHWAY
 BRIDGEVILLE, DE
 US 19933

Contact: RANDY KING
 rking@mcclung-logan.com
 T: (302)337-3400
 F: (302)337-9083



OIL CONDITION

Visc @ 40°C	cSt	45.8	43.0	44.2	42.0
-------------	-----	-------------	------	------	------



CONTAMINATION

Silicon	ppm	13	13	14	40
Sodium	ppm	3	3	7	10
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	8	6	7	65
Copper	ppm	0	0	0	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	1	1	1	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	2
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3825	4069	4047	4290
Magnesium	ppm	21	20	19	26
Zinc	ppm	1497	1562	1587	1663
Phosphorus	ppm	1230	1247	1236	1396
Barium	ppm	0	0	<1	0
Boron	ppm	170	144	134	149

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: VOLVO1023
Unique No: 10548936
Signed: Don Baldrige
Report Date: 11 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

