



CONSTRUCTION EQUIPMENT

SPM674531 VOLVO L180G 19305 - FRONT AXLE



Sample No: VCP436336
Oil Type: VOLVO WB 102
Job No: SPM674531



SAMPLE INFORMATION

Sample Number	VCP436336	VCP405774	VCP404609	VCP401387
Sample Date	19 Feb 2024	08 Aug 2023	03 May 2023	18 Mar 2023
Machine Hours	22125	21063	20781	20570
Oil Hours	2000	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	45.0	43.0	43.0	43.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	23	▲ 97	22	21
Sodium	ppm	6	13	5	4
Potassium	ppm	0	7	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	72	157	38	34
Copper	ppm	<1	<1	2	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	▲ 13	<1	2
Chromium	ppm	<1	2	<1	<1
Molybdenum	ppm	2	4	3	3
Nickel	ppm	0	0	0	0
Titanium	ppm	0	1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	3	2	1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	3539	4163	3928	3892
Magnesium	ppm	22	34	27	23
Zinc	ppm	1364	1618	1600	1486
Phosphorus	ppm	1145	1320	1262	1170
Barium	ppm	2	0	<1	2
Boron	ppm	124	177	126	126

Depot: COVJAM
Unique No: 10896967
Signed: Wes Davis
Report Date: 26 Feb 2024



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VOLVO GRAPHS

