



CONSTRUCTION EQUIPMENT

VOLVO L180H 5035 - REAR AXLE



Sample No: VCP447752
Oil Type: VOLVO WB 101
Job No:



SAMPLE INFORMATION

Sample Number	VCP447752	VCP400676	VCP337366	VCP280157
Sample Date	05 Jun 2024	24 Oct 2023	16 Aug 2021	20 Jul 2020
Machine Hours	13649	11898	6535	4264
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.1	42.2	42.4	41.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	16	11	10
Sodium	ppm	4	0	7	2
Potassium	ppm	4	3	1	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	38	64	70	72
Copper	ppm	10	<1	2	20
Lead	ppm	4	0	0	0
Tin	ppm	2	<1	0	0
Aluminum	ppm	2	1	0	<1
Chromium	ppm	<1	<1	2	<1
Molybdenum	ppm	3	<1	6	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3336	3960	4274	3520
Magnesium	ppm	15	15	19	5
Zinc	ppm	1392	1557	1515	1479
Phosphorus	ppm	1173	1323	1350	1293
Barium	ppm	0	0	0	0
Boron	ppm	115	142	167	100

Depot: VOLVO0090
Unique No: 11074367
Signed: Wes Davis
Report Date: 13 Jun 2024



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GRAPHS

