



CONSTRUCTION EQUIPMENT

VOLVO L150G NR23026 - REAR AXLE



Sample No: VCP442892
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP442892	VCP442861	VCP418078	VCP396627
Sample Date	02 Feb 2024	05 Dec 2023	06 Sep 2023	05 Jun 2023
Machine Hours	13240	13014	12744	12465
Oil Hours	1226	1013	744	465
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	57.9	51.1	51.6	53.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	12	11	11
Sodium	ppm	2	<1	3	2
Potassium	ppm	0	1	2	1

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	20	14	10	7
Copper	ppm	<1	<1	1	0
Lead	ppm	0	<1	1	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	4	4	4	4
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3290	3211	3166	3412
Magnesium	ppm	31	5	27	27
Zinc	ppm	1321	1411	1288	1416
Phosphorus	ppm	1022	1017	1030	1137
Barium	ppm	<1	0	0	0
Boron	ppm	103	111	84	94

Depot: MARDIC
Unique No: 10875184
Signed: Wes Davis
Report Date: 14 Feb 2024



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GRAPHS

