



CONSTRUCTION EQUIPMENT

VOLVO A40G 342253 - REAR AXLE



Sample No: VCP442857
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP442857	VCP445790	VCP396985	VCP402342
Sample Date	11 Mar 2024	06 Dec 2023	25 Sep 2023	19 Jul 2023
Machine Hours	11433	10949	10423	9967
Oil Hours	484	982	456	964
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	SEVERE	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	127	136	136	133
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	30	▲ 235	2	2
Sodium	ppm	0	6	0	<1
Potassium	ppm	2	6	<1	<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	90	290	<1	7
Copper	ppm	<1	2	<1	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	5	▲ 40	0	0
Chromium	ppm	1	3	0	0
Molybdenum	ppm	3	2	<1	<1
Nickel	ppm	<1	1	0	0
Titanium	ppm	1	3	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	3	0	<1
Vanadium	ppm	<1	<1	0	<1



ADDITIVES

Calcium	ppm	566	278	276	398
Magnesium	ppm	18	0	10	8
Zinc	ppm	198	88	120	140
Phosphorus	ppm	925	982	977	949
Barium	ppm	0	0	2	0
Boron	ppm	154	195	180	174

Depot: SCHGRE
Unique No: 10938209
Signed: Wes Davis
Report Date: 21 Mar 2024



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GRAPHS

