



CONSTRUCTION EQUIPMENT

VOLVO A40G 342252 - REAR AXLE



Sample No: VCP436362
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP436362	VCP398086	VCP392515	VCP406831
Sample Date	06 Feb 2024	30 Oct 2023	29 Aug 2023	22 Mar 2023
Machine Hours	11740	11266	10867	9960
Oil Hours	873	399	907	877
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	130	132	132	133
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CONTAMINATION

Water	%	NEG	NEG	0.085	NEG
Silicon	ppm	5	3	4	4
Sodium	ppm	0	0	0	<1
Potassium	ppm	<1	0	<1	0

Diagnosis

We advise that you inspect for the source(s) of wear. Resample at the next service interval to monitor. High concentration of visible metal present. 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	32	11	20	18
Copper	ppm	<1	0	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	0	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	3	<1	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	509	396	346	385
Magnesium	ppm	23	21	5	9
Zinc	ppm	177	180	138	135
Phosphorus	ppm	1244	965	972	963
Barium	ppm	12	2	2	0
Boron	ppm	197	171	150	175

Depot: SCHGRE
Unique No: 10876591
Signed: Jonathan Hester
Report Date: 16 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

