



CONSTRUCTION EQUIPMENT

VOLVO A40G 352351 - REAR AXLE



Sample No: VCP416804
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP416804	VCP339706	VCP406105	VCP384395
Sample Date	13 Feb 2024	07 Nov 2023	24 Aug 2023	30 May 2023
Machine Hours	8269	7750	7188	6612
Oil Hours	1081	562	1168	592
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	139	133	139	139
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	2	<1
Sodium	ppm	<1	1	0	0
Potassium	ppm	1	0	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	12	4	10	7
Copper	ppm	<1	2	1	0
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	0	0	0
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	1	<1	<1	1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	197	438	190	140
Magnesium	ppm	10	6	12	13
Zinc	ppm	75	172	63	59
Phosphorus	ppm	1044	1007	947	1023
Barium	ppm	0	0	0	0
Boron	ppm	181	169	202	209

Depot: SCHGRE
Unique No: 10898659
Signed: Wes Davis
Report Date: 27 Feb 2024



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GRAPHS

