



CONSTRUCTION EQUIPMENT

VOLVO A40G 352199 - FRONT AXLE



Sample No: VCP445750
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP445750	VCP396766	VCP404837	VCP390558
Sample Date	29 Nov 2023	25 Sep 2023	19 Jul 2023	13 Feb 2023
Machine Hours	6652	6129	5644	4597
Oil Hours	971	485	1047	1030
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	135	135	132	125
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	2	3
Sodium	ppm	0	0	<1	<1
Potassium	ppm	0	1	<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	16	15	19	117
Copper	ppm	<1	<1	<1	0
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	0	0	<1
Chromium	ppm	0	0	<1	2
Molybdenum	ppm	1	2	<1	2
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	1	0	0
Manganese	ppm	<1	<1	<1	4
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	272	267	393	445
Magnesium	ppm	0	10	8	13
Zinc	ppm	88	115	138	162
Phosphorus	ppm	981	954	943	922
Barium	ppm	0	2	0	0
Boron	ppm	197	156	169	165

Depot: SCHGRE
Unique No: 10780767
Signed: Wes Davis
Report Date: 12 Dec 2023



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GRAPHS

