



CONSTRUCTION EQUIPMENT

VOLVO A40G 342658 - FRONT AXLE



Sample No: VCP447444
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP447444	VCP416945	VCP329508	VCP404643
Sample Date	29 Apr 2024	13 Feb 2024	06 Nov 2023	24 Aug 2023
Machine Hours	10764	10200	9682	9142
Oil Hours	1082	518	1056	516
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	137	138	140	138
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	5	3
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	2	1	0	<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	19	10	15	8
Copper	ppm	<1	<1	0	0
Lead	ppm	<1	<1	0	0
Tin	ppm	1	<1	0	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	2	1	1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	199	213	191	226
Magnesium	ppm	12	12	13	17
Zinc	ppm	91	92	95	82
Phosphorus	ppm	1018	985	1025	929
Barium	ppm	0	0	0	0
Boron	ppm	199	172	175	204

Depot: SCHGRE
Unique No: 11019007
Signed: Wes Davis
Report Date: 09 May 2024



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GRAPHS

