



CONSTRUCTION EQUIPMENT

VOLVO A40G 342373 - FRONT AXLE



Sample No: VCP442848
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP442848	VCP399480	VCP339740	VCP402911
Sample Date	15 Apr 2024	12 Mar 2024	09 Oct 2023	29 Aug 2023
Machine Hours	12958	12715	11957	11645
Oil Hours	1001	758	995	683
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	136	136	132	132
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	3	3
Sodium	ppm	0	0	0	0
Potassium	ppm	<1	<1	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	23	29	51	48
Copper	ppm	<1	<1	0	0
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	2	1	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	2	1	<1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	288	245	402	415
Magnesium	ppm	11	11	8	10
Zinc	ppm	116	103	141	139
Phosphorus	ppm	1045	921	966	1013
Barium	ppm	0	0	0	0
Boron	ppm	202	166	171	199

Depot: SCHGRE
Unique No: 11009494
Signed: Wes Davis
Report Date: 06 May 2024



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GRAPHS

