



CONSTRUCTION EQUIPMENT

VOLVO A40G 752009 - FRONT AXLE



Sample No: VCP396759
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP396759	VCP445749	VCP312956	---
Sample Date	12 Mar 2024	29 Nov 2023	12 Sep 2023	---
Machine Hours	1479	987	482	---
Oil Hours	1052	560	482	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	103	102	48.3	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	6	4	---
Sodium	ppm	1	2	<1	---
Potassium	ppm	5	6	4	---

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	293	223	92	---
Copper	ppm	3	7	<1	---
Lead	ppm	<1	<1	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	<1	0	---
Chromium	ppm	5	4	1	---
Molybdenum	ppm	10	9	5	---
Nickel	ppm	2	1	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	11	10	6	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	198	213	183	---
Magnesium	ppm	1	0	1	---
Zinc	ppm	83	99	84	---
Phosphorus	ppm	1266	1100	1392	---
Barium	ppm	<1	0	0	---
Boron	ppm	286	238	342	---

Depot: SCHGRE
Unique No: 10938224
Signed: Wes Davis
Report Date: 21 Mar 2024



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GRAPHS

