



CONSTRUCTION EQUIPMENT

VOLVO A40G 353407 - FRONT AXLE



Sample No: VCP416818
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP416818	VCP341891	VCP312574	---
Sample Date	25 Feb 2024	14 Dec 2023	03 Oct 2023	---
Machine Hours	1268	997	504	---
Oil Hours	871	600	504	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ATTENTION	ATTENTION	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 52.3	▲ 52.0	▲ 52.3	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ 2	■ 2	■ 3	---
Sodium	ppm	■ 2	■ <1	■ 0	---
Potassium	ppm	■ 5	■ 4	■ 5	---

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	■ 143	■ 154	■ 129	---
Copper	ppm	■ 2	■ 0	■ 1	---
Lead	ppm	■ <1	■ 0	■ 0	---
Tin	ppm	■ <1	■ 0	■ 0	---
Aluminum	ppm	■ <1	■ 0	■ 1	---
Chromium	ppm	■ 1	■ 2	■ 2	---
Molybdenum	ppm	■ 3	■ 1	■ 3	---
Nickel	ppm	■ <1	■ 0	■ <1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 6	■ 7	■ 6	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 15	■ 16	■ 12	---
Magnesium	ppm	■ 1	■ 0	■ <1	---
Zinc	ppm	■ 3	■ 6	■ 0	---
Phosphorus	ppm	■ 2197	■ 2220	■ 2284	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 241	■ 234	■ 286	---

Depot: SCHGRE
Unique No: 10898652
Signed: Jonathan Hester
Report Date: 28 Feb 2024



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GRAPHS

