



CONSTRUCTION EQUIPMENT

VOLVO A40G 352025 - FRONT AXLE



Sample No: VCP341882
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP341882	VCP402324	VCP398293	VCP379392
Sample Date	03 Oct 2023	13 Jul 2023	27 Apr 2023	16 Jan 2023
Machine Hours	9594	9075	8626	7948
Oil Hours	519	1127	678	969
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

SCHILDBERG CONSTRUCTION COMPANY
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OIL CONDITION

Visc @ 40°C	cSt	139	137	138	137
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CONTAMINATION

Silicon	ppm	9	2	2	1
Sodium	ppm	0	<1	2	0
Potassium	ppm	3	<1	0	0

WEAR METALS

Iron	ppm	▲ 1482	9	7	9
Copper	ppm	6	1	1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	0	0	0
Chromium	ppm	▲ 17	<1	0	0
Molybdenum	ppm	4	2	1	<1
Nickel	ppm	▲ 13	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	24	<1	<1	<1
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	146	163	142	155
Magnesium	ppm	12	15	17	6
Zinc	ppm	51	71	56	64
Phosphorus	ppm	709	911	985	936
Barium	ppm	0	0	0	0
Boron	ppm	40	181	164	178

Diagnosis
 We recommend an early resample to monitor this condition. A sharp increase in the iron, chrome and nickel levels is noted. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SCHGRE
Unique No: 10701219
Signed: Don Baldridge
Report Date: 21 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

