



CONSTRUCTION EQUIPMENT

2802 VOLVO A40G 342374 - DROP BOX



Sample No: VCP397000
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: 2802



SAMPLE INFORMATION

Sample Number	VCP397000	VCP384374	VCP385086	VCP357668
Sample Date	11 Mar 2024	07 Jun 2023	13 Feb 2023	18 Jul 2022
Machine Hours	11321	10123	9396	8253
Oil Hours	890	727	1143	1055
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

SCHILDBERG CONSTRUCTION COMPANY
 PO BOX 358
 GREENFIELD, IA
 US 50849
 Contact: SCOTT ARMSTRONG
 sarmstrong@schildberg.com
 T: (641)743-8237
 F: (641)743-2486



OIL CONDITION

Visc @ 40°C	cSt	122	130	130	134
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	▲ 95	■ 4	■ 3	■ 4
Sodium	ppm	■ 2	■ 1	■ <1	■ 0
Potassium	ppm	■ 7	■ <1	■ 0	■ 1

Diagnosis

We advise that you check all areas where dirt can enter the system. 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. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 56	■ 191	■ 20	■ 52
Copper	ppm	■ 2	■ <1	■ 0	■ <1
Lead	ppm	■ <1	■ 0	■ 0	■ <1
Tin	ppm	■ <1	■ 0	■ 0	■ 0
Aluminum	ppm	■ 2	■ 4	■ 0	■ 4
Chromium	ppm	■ 1	■ 4	■ 0	■ <1
Molybdenum	ppm	■ 10	■ 6	■ <1	■ 3
Nickel	ppm	■ <1	■ 3	■ 0	■ 0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ 2	■ 2	■ 1	■ <1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	■ 357	■ 437	■ 356	■ 267
Magnesium	ppm	49	■ 7	■ 11	■ 7
Zinc	ppm	■ 208	■ 158	■ 139	■ 125
Phosphorus	ppm	■ 896	■ 1027	■ 885	■ 1000
Barium	ppm	■ <1	■ 0	■ 0	■ 2
Boron	ppm	■ 126	■ 167	■ 162	■ 197

Depot: SCHGRE
Unique No: 10938212
Signed: Don Baldrige
Report Date: 22 Mar 2024



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VOLVO GRAPHS

