



CONSTRUCTION EQUIPMENT

VOLVO A40G 342373 - DROP BOX



Sample No: VCP440660
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP440660	VCP400064	VCP385081	VCP366600
Sample Date	29 Nov 2023	19 Jul 2023	13 Feb 2023	22 Aug 2022
Machine Hours	12310	11379	10345	9336
Oil Hours	931	1034	1009	1106
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	134	133	129	137
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CONTAMINATION

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

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	26	19	38	45
Copper	ppm	4	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	1
Aluminum	ppm	0	0	2	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	1	2	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	342	374	452	245
Magnesium	ppm	0	7	14	6
Zinc	ppm	110	139	159	101
Phosphorus	ppm	980	938	897	947
Barium	ppm	0	0	0	0
Boron	ppm	184	162	160	190

Depot: SCHGRE
Unique No: 10780763
Signed: Wes Davis
Report Date: 12 Dec 2023



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GRAPHS

