



CONSTRUCTION EQUIPMENT

VOLVO A40G 352341 - DROP BOX



Sample No: VCP416825
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP416825	VCP405999	VCP362771	VCP377242
Sample Date	13 Feb 2024	24 Aug 2023	07 Mar 2023	01 Sep 2022
Machine Hours	7384	6283	5114	4017
Oil Hours	1101	1169	1097	1117
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	138	134	111	47.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	6	16	61
Sodium	ppm	<1	<1	<1	6
Potassium	ppm	1	<1	1	3

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	22	24	75	140
Copper	ppm	<1	<1	3	10
Lead	ppm	1	0	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	0	1	<1
Chromium	ppm	0	<1	1	1
Molybdenum	ppm	2	3	9	5
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	1	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	165	170	129	68
Magnesium	ppm	10	12	7	5
Zinc	ppm	63	56	80	143
Phosphorus	ppm	991	958	1205	2149
Barium	ppm	0	0	0	0
Boron	ppm	167	202	177	108

Depot: SCHGRE
Unique No: 10898654
Signed: Wes Davis
Report Date: 27 Feb 2024



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GRAPHS

