



CONSTRUCTION EQUIPMENT

VOLVO A40G 342252 - DROP BOX



Sample No: VCP401117
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP401117	VCP392514	VCP404511	VCP373724
Sample Date	11 Mar 2024	29 Aug 2023	22 Mar 2023	25 Aug 2022
Machine Hours	11973	10867	9960	9083
Oil Hours	1106	64	577	935
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	125	122	130	137
		█	█	█	█



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	█ 13	█ 18	█ 2	█ 4
Sodium	ppm	█ 2	█ 10	█ <1	█ 2
Potassium	ppm	█ 8	█ 34	█ 0	█ 23

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	█ 33	█ 19	█ 53	█ 11
Copper	ppm	█ <1	█ <1	█ <1	█ 4
Lead	ppm	█ <1	█ <1	█ 0	█ <1
Tin	ppm	█ <1	█ <1	█ 0	█ <1
Aluminum	ppm	█ 2	█ 0	█ 2	█ 10
Chromium	ppm	█ <1	█ <1	█ <1	█ <1
Molybdenum	ppm	█ 4	█ 13	█ 5	█ 48
Nickel	ppm	█ <1	█ <1	█ 0	█ <1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	█ <1	█ <1	█ <1	█ <1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	█ 429	█ 446	█ 330	█ 1460
Magnesium	ppm	█ 25	█ 68	█ 8	█ 579
Zinc	ppm	█ 179	█ 282	█ 131	█ 923
Phosphorus	ppm	█ 941	█ 1132	█ 957	█ 762
Barium	ppm	█ 0	█ 3	█ 0	█ 0
Boron	ppm	█ 140	█ 168	█ 161	█ 28

Depot: SCHGRE
Unique No: 10938221
Signed: Wes Davis
Report Date: 21 Mar 2024



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GRAPHS

