



CONSTRUCTION EQUIPMENT

VOLVO A40D 70322 - BOGIE/CENTER LEFT FINAL DRIVE



Sample No: VCP385216
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP385216	VCP378834	VCP360994	VCP326321
Sample Date	01 Aug 2023	16 Sep 2022	16 Jun 2022	18 Oct 2021
Machine Hours	26925	25375	24817	23766
Oil Hours	991	558	1051	952
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	135	135	136	134
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CONTAMINATION

Silicon	ppm	3	1	2	3
Sodium	ppm	0	0	<1	<1
Potassium	ppm	0	0	0	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	42	12	27	23
Copper	ppm	6	3	5	4
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	1	0	<1	<1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	0	<1	1	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	197	153	187	210
Magnesium	ppm	7	6	15	19
Zinc	ppm	78	65	90	91
Phosphorus	ppm	1045	920	931	908
Barium	ppm	0	0	0	0
Boron	ppm	218	158	159	154

Depot: SCHGRE
Unique No: 10617676
Signed: Wes Davis
Report Date: 24 Aug 2023



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GRAPHS

