



CONSTRUCTION EQUIPMENT

VOLVO A40D 70322 - FRONT RIGHT FINAL DRIVE



Sample No: VCP385222
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP385222	VCP378828	VCP342180	VCP347996
Sample Date	01 Aug 2023	16 Sep 2022	16 Jun 2022	11 May 2022
Machine Hours	26925	25375	24817	24564
Oil Hours	991	558	1051	798
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	86.2	112	108	112
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CONTAMINATION

Silicon	ppm	8	4	5	5
Sodium	ppm	0	0	0	2
Potassium	ppm	1	0	2	<1

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	37	27	24	19
Copper	ppm	11	6	6	4
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	<1	<1	1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1665	829	1005	907
Magnesium	ppm	12	7	15	17
Zinc	ppm	670	334	408	372
Phosphorus	ppm	1078	984	987	1041
Barium	ppm	0	0	0	0
Boron	ppm	183	153	188	149

Depot: SCHGRE
Unique No: 10617681
Signed: Sean Felton
Report Date: 25 Aug 2023



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VOLVO GRAPHS

