



CONSTRUCTION EQUIPMENT

VOLVO A40D 70322 - FRONT LEFT FINAL DRIVE



Sample No: VCP419852
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP419852	VCP378837	VCP360996	VCP326324
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	87.1	112	106	108
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CONTAMINATION

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

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	41	26	25	29
Copper	ppm	10	6	6	6
Lead	ppm	0	0	<1	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	<1	1	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	0	<1	1	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1791	859	1100	999
Magnesium	ppm	12	8	16	20
Zinc	ppm	695	347	452	361
Phosphorus	ppm	1105	1008	1047	956
Barium	ppm	0	0	0	0
Boron	ppm	193	156	197	148

Depot: SCHGRE
Unique No: 10617678
Signed: Sean Felton
Report Date: 25 Aug 2023



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GRAPHS

