



CONSTRUCTION EQUIPMENT

VOLVO A40G 341476 - FRONT AXLE



Sample No: VCP312517
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP312517	VCP378447	VCP400077	VCP373801
Sample Date	04 Dec 2023	12 Sep 2023	20 Jun 2023	09 Jan 2023
Machine Hours	17394	16932	16355	25295
Oil Hours	1036	577	1060	616
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	139	137	137	137
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	<1	2
Sodium	ppm	0	<1	<1	0
Potassium	ppm	1	<1	0	<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	10	7	5	8
Copper	ppm	0	0	0	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	2	2	1	1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	228	243	173	160
Magnesium	ppm	18	22	12	11
Zinc	ppm	87	118	66	73
Phosphorus	ppm	1045	1213	947	1028
Barium	ppm	0	0	0	1
Boron	ppm	190	246	201	203

Depot: SCHGRE
Unique No: 10789046
Signed: Don Baldrige
Report Date: 17 Dec 2023



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VOLVO GRAPHS

