



CONSTRUCTION EQUIPMENT

VOLVO A40G 352351 - FRONT AXLE



Sample No: VCP339707
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP339707	VCP406106	VCP384397	VCP362737
Sample Date	07 Nov 2023	24 Aug 2023	30 May 2023	06 Mar 2023
Machine Hours	7750	7188	6612	6020
Oil Hours	562	1168	592	1105
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	138	138	142	136
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	2	4
Sodium	ppm	<1	0	<1	<1
Potassium	ppm	0	<1	0	0

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	35	15	10	21
Copper	ppm	0	0	0	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	<1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	<1	<1	1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	192	143	132	150
Magnesium	ppm	4	14	13	9
Zinc	ppm	83	50	56	66
Phosphorus	ppm	1000	1017	1023	988
Barium	ppm	0	0	0	0
Boron	ppm	171	228	209	181

Depot: SCHGRE
Unique No: 10755942
Signed: Sean Felton
Report Date: 28 Nov 2023



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GRAPHS

