



CONSTRUCTION EQUIPMENT

VOLVO A40G 342374 - FRONT AXLE



Sample No: VCP396999
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP396999	VCP400070	VCP406817	VCP385070
Sample Date	11 Mar 2024	20 Jul 2023	02 May 2023	13 Feb 2023
Machine Hours	11321	10329	9875	9396
Oil Hours	674	933	479	1143
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	135	132	133	130



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	5	3	2
Sodium	ppm	2	<1	1	<1
Potassium	ppm	8	<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	345	52	37	68
Copper	ppm	2	<1	1	0
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	0	0	0
Chromium	ppm	6	<1	<1	<1
Molybdenum	ppm	12	<1	<1	1
Nickel	ppm	1	0	0	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	20	1	<1	2
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	237	379	431	382
Magnesium	ppm	11	8	10	13
Zinc	ppm	108	130	144	140
Phosphorus	ppm	915	880	987	902
Barium	ppm	0	0	0	0
Boron	ppm	161	157	152	168

Depot: SCHGRE
Unique No: 10938207
Signed: Don Baldrige
Report Date: 22 Mar 2024



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VOLVO GRAPHS

