



CONSTRUCTION EQUIPMENT

VOLVO A40G 353407 - BOGIE/CENTER AXLE



Sample No: VCP435440
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP435440	VCP416164	VCP378569	VCP312576
Sample Date	29 Apr 2024	25 Feb 2024	14 Dec 2023	03 Oct 2023
Machine Hours	1863	1268	997	504
Oil Hours	595	871	600	504
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	130	51.9	51.8	52.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	2	2
Sodium	ppm	0	2	<1	0
Potassium	ppm	0	6	5	6

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	85	206	101	100
Copper	ppm	0	3	<1	2
Lead	ppm	0	<1	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	<1	0	1
Chromium	ppm	1	2	<1	1
Molybdenum	ppm	3	2	0	2
Nickel	ppm	0	1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	7	5	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	168	38	14	46
Magnesium	ppm	13	2	0	1
Zinc	ppm	74	12	7	8
Phosphorus	ppm	1093	2247	2198	2254
Barium	ppm	<1	0	0	0
Boron	ppm	201	253	246	284

Depot: SCHGRE
Unique No: 11018993
Signed: Wes Davis
Report Date: 09 May 2024



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GRAPHS

