



CONSTRUCTION EQUIPMENT

VOLVO A60H 350022 - FRONT AXLE



Sample No: VCP450820
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP450820	VCP428902	VCP427440	VCP402736
Sample Date	06 Jun 2024	23 Jan 2024	27 Sep 2023	01 May 2023
Machine Hours	8426	7905	7399	6905
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	280	309	309	310
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CONTAMINATION

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

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. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	14	56	44	41
Copper	ppm	<1	0	0	1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	0	2	0
Chromium	ppm	<1	1	1	1
Molybdenum	ppm	11	2	2	3
Nickel	ppm	0	<1	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	2	2	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	145	110	113	107
Magnesium	ppm	52	22	20	21
Zinc	ppm	135	91	78	78
Phosphorus	ppm	925	1100	1158	1048
Barium	ppm	0	0	0	0
Boron	ppm	173	198	183	155

Depot: SAIBIR
Unique No: 11075572
Signed: Don Baldrige
Report Date: 14 Jun 2024



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GRAPHS

