



CONSTRUCTION EQUIPMENT

SWO-071763 VOLVO A60H 340039 - FRONT AXLE



Sample No: VCP450918
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-071763



SAMPLE INFORMATION

Sample Number	VCP450918	VCP441423	VCP428989	VCP413328
Sample Date	07 May 2024	18 Jan 2024	27 Sep 2023	20 Jun 2023
Machine Hours	9022	8521	8052	7542
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	283	285	274	276
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	3	3	2
Sodium	ppm	0	2	<1	0
Potassium	ppm	1	<1	1	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. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	15	9	26	25
Copper	ppm	2	0	0	0
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	0	0	0
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	8	6	2	3
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	137	99	66	73
Magnesium	ppm	37	44	14	17
Zinc	ppm	123	95	24	39
Phosphorus	ppm	975	786	921	974
Barium	ppm	2	<1	0	0
Boron	ppm	161	142	151	180

Depot: SAIBIR
Unique No: 11021951
Signed: Sean Felton
Report Date: 14 May 2024



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GRAPHS

