



CONSTRUCTION EQUIPMENT

SWO-069192 VOLVO A60H 340044 - REAR RIGHT FINAL DRIVE



Sample No: VCP446684
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-069192



SAMPLE INFORMATION

Sample Number	VCP446684	VCP427233	VCP405927	VCP395110
Sample Date	01 Feb 2024	04 Aug 2023	11 May 2023	21 Feb 2023
Machine Hours	9302	8791	8303	7835
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	308	308	▲ 311	■ 274
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 6	■ 4	■ 4	■ 3
Sodium	ppm	■ 0	■ 0	■ <1	■ <1
Potassium	ppm	■ <1	■ 1	■ <1	■ <1

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	■ 30	■ 25	■ 16	■ 34
Copper	ppm	■ <1	■ <1	■ 0	■ <1
Lead	ppm	■ <1	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ 0	■ 0	■ 0
Aluminum	ppm	■ <1	■ 0	■ 0	■ <1
Chromium	ppm	■ 1	■ <1	■ <1	■ <1
Molybdenum	ppm	■ 4	■ 2	■ 3	■ 6
Nickel	ppm	■ <1	■ 0	■ <1	■ <1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	■ <1	■ <1	■ <1	■ <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 70	■ 63	■ 76	■ 130
Magnesium	ppm	■ 37	■ 32	■ 39	■ 44
Zinc	ppm	■ 56	■ 69	■ 83	■ 87
Phosphorus	ppm	■ 1087	■ 1025	■ 1213	■ 784
Barium	ppm	■ 0	■ 2	■ 0	■ <1
Boron	ppm	■ 199	■ 195	■ 226	■ 119

Depot: SAIBIR
Unique No: 10872537
Signed: Don Baldrige
Report Date: 12 Feb 2024



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VOLVO GRAPHS

