



CONSTRUCTION EQUIPMENT

SWO-071489 VOLVO A60H A60H 340 102 - BOGIE/CENTER RIGHT FINAL DRIVE



Sample No: VCP455470
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-071489



SAMPLE INFORMATION

Sample Number	VCP455470	VCP446969	VCP432274	VCP414283
Sample Date	25 Apr 2024	01 Feb 2024	28 Sep 2023	11 Jul 2023
Machine Hours	10205	9767	9302	8821
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	ATTENTION

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	■ 263	■ 241	● 247	● 248
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 2	■ 5	■ 4	■ 4
Sodium	ppm	■ <1	■ 0	■ 2	■ <1
Potassium	ppm	■ 0	■ 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. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 17	■ 67	■ 78	■ 71
Copper	ppm	■ 0	■ <1	■ 2	■ <1
Lead	ppm	■ 0	■ 0	■ 0	■ 0
Tin	ppm	■ 0	■ 0	■ 0	■ <1
Aluminum	ppm	■ 0	■ 2	■ <1	■ <1
Chromium	ppm	■ 0	■ <1	■ 1	■ 2
Molybdenum	ppm	■ 10	■ <1	■ 1	■ 1
Nickel	ppm	■ 0	■ 0	■ <1	■ <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ <1	■ 1	■ 2	■ 2
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	■ 156	■ 47	■ 112	■ 76
Magnesium	ppm	■ 45	■ 9	■ 7	■ 6
Zinc	ppm	■ 118	15	■ 41	■ 36
Phosphorus	ppm	■ 1003	■ 979	■ 1180	■ 1184
Barium	ppm	■ 0	■ 5	■ 0	■ 0
Boron	ppm	■ 165	■ 209	■ 252	■ 195

Depot: SAIBIR
Unique No: 11005569
Signed: Jonathan Hester
Report Date: 03 May 2024

VOLVO **GRAPHS**

