



CONSTRUCTION EQUIPMENT

SWO-069193 VOLVO A60H A60H 340102 - BOGIE/CENTER RIGHT FINAL DRIVE



Sample No: VCP446969
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-069193



SAMPLE INFORMATION

Sample Number	VCP446969	VCP432274	VCP414283	VCP410129
Sample Date	01 Feb 2024	28 Sep 2023	11 Jul 2023	30 Mar 2023
Machine Hours	9767	9302	8821	8292
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION

SAIIA CONSTRUCTION LLC
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OIL CONDITION

Visc @ 40°C	cSt	241	247	248	243.0
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CONTAMINATION

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



WEAR METALS

Iron	ppm	67	78	71	73
Copper	ppm	<1	2	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	<1	<1	0
Chromium	ppm	<1	1	2	2
Molybdenum	ppm	<1	1	1	1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	2	2
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	47	112	76	67
Magnesium	ppm	9	7	6	6
Zinc	ppm	15	41	36	34
Phosphorus	ppm	979	1180	1184	1083
Barium	ppm	5	0	0	0
Boron	ppm	209	252	195	220

Depot: SAIBIR
Unique No: 10863755
Signed: Jonathan Hester
Report Date: 08 Feb 2024



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GRAPHS

