



CONSTRUCTION EQUIPMENT

SWO-06927 VOLVO A60H 350022 - BOGIE/CENTER RIGHT FINAL DRIVE



Sample No: VCP441453
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-06927



SAMPLE INFORMATION

Sample Number	VCP441453	VCP427438	VCP395255	VCP367329
Sample Date	23 Jan 2024	27 Sep 2023	01 May 2023	29 Nov 2022
Machine Hours	7905	7399	6905	6420
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	301	303	301	301
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CONTAMINATION

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



WEAR METALS

Iron	ppm	33	29	27	16
Copper	ppm	0	0	1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	2	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	3	3	3
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	121	135	117	115
Magnesium	ppm	25	25	24	20
Zinc	ppm	98	94	85	89
Phosphorus	ppm	1110	1207	1048	979
Barium	ppm	0	0	0	0
Boron	ppm	199	189	154	159

Depot: SAIBIR
Unique No: 10849931
Signed: Don Baldrige
Report Date: 31 Jan 2024



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GRAPHS

