



CONSTRUCTION EQUIPMENT

SWO-071489 VOLVO A60 A60H 340102 - FRONT AXLE



Sample No: VCP455466
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-071489



SAMPLE INFORMATION

Sample Number	VCP455466	VCP446745	VCP432275	VCP404948
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

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OIL CONDITION

Visc @ 40°C	cSt	■ 263	■ 250	● 247	● 247
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 3	■ 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	■ 14	■ 81	■ 76	■ 63
Copper	ppm	■ 0	■ <1	■ <1	■ 1
Lead	ppm	■ 0	■ 0	■ 0	■ <1
Tin	ppm	■ 0	■ 0	■ 0	■ 0
Aluminum	ppm	■ 0	■ 2	■ <1	■ <1
Chromium	ppm	■ 0	■ 1	■ 2	■ 2
Molybdenum	ppm	■ 10	■ <1	■ 1	■ 1
Nickel	ppm	■ 0	■ 0	■ <1	■ <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	■ <1	■ <1	■ 2	■ 2
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	■ 162	■ 61	■ 61	■ 63
Magnesium	ppm	■ 49	■ 9	■ 6	■ 7
Zinc	ppm	■ 122	20	■ 21	■ 31
Phosphorus	ppm	■ 1025	■ 953	■ 1193	■ 1090
Barium	ppm	■ 0	■ 6	■ 0	■ 0
Boron	ppm	■ 165	■ 204	■ 261	■ 183

Depot: SAIBIR
Unique No: 11005567
Signed: Jonathan Hester
Report Date: 03 May 2024



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VOLVO GRAPHS

