



CONSTRUCTION EQUIPMENT

SWO-063669 VOLVO A60H A60H 340102 - FRONT LEFT FINAL DRIVE



Sample No: VCP413015
Oil Type: GEAR OIL SAE 80
Job No: SWO-063669



SAMPLE INFORMATION

Sample Number	VCP413015	VCP419724	VCP371289	VCP391119
Sample Date	11 Jul 2023	30 Mar 2023	15 Dec 2022	14 Sep 2022
Machine Hours	8821	8292	7821	7310
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	ATTENTION	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	▲ 249	▲ 243.2	■ 90.5	■ 90.0
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CONTAMINATION

Silicon	ppm	■ 5	■ 4	■ 2	■ <1
Sodium	ppm	■ <1	■ <1	■ <1	■ 0
Potassium	ppm	■ <1	■ <1	■ 0	■ 0



WEAR METALS

Iron	ppm	■ 65	■ 64	■ 63	■ 56
Copper	ppm	■ 1	■ 0	■ <1	■ <1
Lead	ppm	■ 0	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ 0	■ 0	■ <1
Aluminum	ppm	■ <1	■ 0	■ <1	■ <1
Chromium	ppm	■ 2	■ 2	■ <1	■ <1
Molybdenum	ppm	■ 1	■ 1	■ 1	■ <1
Nickel	ppm	■ <1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ 2	■ 2	■ <1	■ <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 69	■ 56	■ 129	■ 122
Magnesium	ppm	■ 7	■ 7	■ 2	■ 2
Zinc	ppm	■ 32	■ 29	■ 46	■ 53
Phosphorus	ppm	■ 1166	■ 1076	■ 1361	■ 1327
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 193	■ 218	■ 192	■ 222

Diagnosis

No corrective action is recommended at this time. 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 oil viscosity is higher than normal. Confirm oil type.

Depot: SAIBIR
Unique No: 10560332
Signed: Don Baldrige
Report Date: 17 Jul 2023



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GRAPHS

