



CONSTRUCTION EQUIPMENT

SWO-068207 VOLVO A60H 350190 - FRONT AXLE



Sample No: VCP447579
Oil Type: NOT GIVEN
Job No: SWO-068207



SAMPLE INFORMATION

Sample Number	VCP447579	VCP434745	VCP395366	VCP388384
Sample Date	12 Dec 2023	05 Sep 2023	05 May 2023	19 Jan 2023
Machine Hours	3131	2618	2128	1651
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	48.8	48.9	48.9	49.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	3	1
Sodium	ppm	2	2	2	2
Potassium	ppm	1	3	2	2

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	106	172	182	87
Copper	ppm	<1	0	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	<1	2	3	1
Molybdenum	ppm	<1	<1	2	1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	5	5	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	311	330	329	310
Magnesium	ppm	<1	2	<1	1
Zinc	ppm	148	146	149	152
Phosphorus	ppm	2288	2331	2419	2224
Barium	ppm	0	0	0	0
Boron	ppm	265	288	271	264

Depot: SAIBIR
Unique No: 10793440
Signed: Don Baldrige
Report Date: 20 Dec 2023



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GRAPHS

