



CONSTRUCTION EQUIPMENT

SWA311403 RENTAL VOLVO A45G 342486 - BOGIE/CENTER AXLE



Sample No: VCP409144
Oil Type: GEAR OIL SAE 80W90
Job No: SWA311403 RENTAL



SAMPLE INFORMATION

Sample Number	VCP409144	VCP389862	VCP371767	VCP346625
Sample Date	27 Jul 2023	09 Mar 2023	05 Aug 2022	18 May 2022
Machine Hours	8804	7628	6436	5765
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA CONSTRUCTION EQUIPMENT
 613 E STEVENSON RD
 OTTAWA, IL
 US 61350
 Contact: ALEX MARCO
 ALEXANDER.MARCO@ALTG.COM
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	130	199	160	41.9
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CONTAMINATION

Silicon	ppm	4	14	11	45
Sodium	ppm	<1	2	<1	16
Potassium	ppm	0	0	1	<1



WEAR METALS

Iron	ppm	30	29	60	304
Copper	ppm	<1	<1	<1	2
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	1	1	3
Chromium	ppm	<1	<1	1	4
Molybdenum	ppm	<1	<1	1	4
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	2	9
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	248	2620	1063	3865
Magnesium	ppm	0	13	9	19
Zinc	ppm	114	1070	492	1538
Phosphorus	ppm	501	922	1393	1361
Barium	ppm	0	0	1	0
Boron	ppm	<1	8	63	192

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.

Depot: VOLVO5055
Unique No: 10589827
Signed: Wes Davis
Report Date: 08 Aug 2023



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GRAPHS

