



CONSTRUCTION EQUIPMENT

SWA311393 RENTAL VOLVO A45G 342479 - FRONT AXLE



Sample No: VCP409163
Oil Type: GEAR OIL SAE 80W90
Job No: SWA311393 RENTAL



SAMPLE INFORMATION

Sample Number	VCP409163	VCP400564	VCP387289	VCP364830
Sample Date	28 Jul 2023	15 Mar 2023	27 Oct 2022	24 Aug 2022
Machine Hours	9012	7800	6690	6068
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA CONSTRUCTION EQUIPMENT
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OIL CONDITION

Visc @ 40°C	cSt	137	197	144	144
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CONTAMINATION

Silicon	ppm	4	15	5	5
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	0	<1	0	0



WEAR METALS

Iron	ppm	19	20	179	128
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	<1	<1	2	1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	<1	4	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	199	2785	126	118
Magnesium	ppm	0	13	2	3
Zinc	ppm	92	1187	83	92
Phosphorus	ppm	507	1077	1557	1539
Barium	ppm	0	0	0	0
Boron	ppm	<1	12	77	85

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: 10589822
Signed: Wes Davis
Report Date: 08 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

