



CONSTRUCTION EQUIPMENT

SWA311403 RENTAL VOLVO A45G 342486 - FRONT AXLE



Sample No: VCP409142
Oil Type: GEAR OIL SAE 80W90
Job No: SWA311403 RENTAL



SAMPLE INFORMATION

Sample Number	VCP409142	VCP389850	VCP371768	VCP346623
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
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OIL CONDITION

Visc @ 40°C	cSt	130	200	141	42.0
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CONTAMINATION

Silicon	ppm	4	12	5	13
Sodium	ppm	<1	2	<1	9
Potassium	ppm	0	0	1	0



WEAR METALS

Iron	ppm	88	20	83	266
Copper	ppm	<1	0	<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	4
Molybdenum	ppm	<1	<1	1	3
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	4	8
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	282	2622	184	3960
Magnesium	ppm	0	12	2	17
Zinc	ppm	124	1067	102	1553
Phosphorus	ppm	528	940	1617	1351
Barium	ppm	0	0	1	0
Boron	ppm	<1	8	87	223

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: 10589825
Signed: Wes Davis
Report Date: 08 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

