



CONSTRUCTION EQUIPMENT

SWA311393 RENTAL VOLVO A45G 342479 - REAR AXLE



Sample No: VCP409160
Oil Type: GEAR OIL SAE 80W90
Job No: SWA311393 RENTAL



SAMPLE INFORMATION

Sample Number	VCP409160	VCP391375	VCP387208	VCP364837
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

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OIL CONDITION

Visc @ 40°C	cSt	132	195	144	144
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CONTAMINATION

Silicon	ppm	4	16	4	5
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	0	1	0	0



WEAR METALS

Iron	ppm	12	15	56	128
Copper	ppm	<1	<1	4	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	2	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	214	2827	157	121
Magnesium	ppm	0	13	1	2
Zinc	ppm	102	1215	77	86
Phosphorus	ppm	487	1114	1566	1610
Barium	ppm	0	0	0	3
Boron	ppm	<1	7	77	66

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: 10589821
Signed: Wes Davis
Report Date: 08 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

