



CONSTRUCTION EQUIPMENT

620889 VOLVO A45G 352039 - BOGIE/CENTER AXLE



Sample No: VCP435113
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 620889



SAMPLE INFORMATION

Sample Number	VCP435113	VCP381258	VCP336818	VCP243970
Sample Date	14 Oct 2023	29 Oct 2022	13 Nov 2021	11 Jul 2020
Machine Hours	8196	6327	4784	2343
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

ORANGE COUNTY SOLID WASTE
 5901 YOUNG PINE ROAD
 ORLANDO, FL
 US 32829
 Contact: MICHAEL BEEBE
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 T: (407)836-6652
 F: (407)836-6650



OIL CONDITION

Visc @ 40°C	cSt	314	295	49.4	49.4
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CONTAMINATION

Silicon	ppm	6	5	4	4
Sodium	ppm	0	4	3	3
Potassium	ppm	2	11	7	8



WEAR METALS

Iron	ppm	136	113	258	229
Copper	ppm	2	2	8	4
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	0	<1	0
Chromium	ppm	2	1	2	2
Molybdenum	ppm	4	2	1	<1
Nickel	ppm	<1	0	1	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	2	<1	0
Manganese	ppm	2	3	6	7
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	82	33	181	159
Magnesium	ppm	14	16	2	3
Zinc	ppm	42	29	96	76
Phosphorus	ppm	1043	693	2136	2355
Barium	ppm	<1	0	0	<1
Boron	ppm	175	97	205	142

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: ORAORL
Unique No: 10702386
Signed: Don Baldrige
Report Date: 23 Oct 2023



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GRAPHS

