



CONSTRUCTION EQUIPMENT

VOLVO A30G 752372 - BOGIE/CENTER AXLE



Sample No: VCP427189
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP427189	VCP217872	VCP410842	VCP357114
Sample Date	25 Aug 2023	13 Jul 2023	28 Feb 2023	11 Aug 2022
Machine Hours	3000	3000	2500	1500
Oil Hours	1000	1000	500	1500
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	ATTENTION

SANTA ROSA COUNTY LANDFILLS
 6337 DA LISA RD
 MILTON, FL
 US 32583
 Contact: ROLAND MCKINNON
 rolandm@santarosa.fl.gov
 T: (850)777-0573
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 117	█ 117	█ 118	▲ 86.8
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CONTAMINATION

Silicon	ppm	█ 4	█ 4	█ 2	█ 4
Sodium	ppm	█ <1	█ 0	█ <1	█ 0
Potassium	ppm	█ 2	█ 2	█ <1	█ 4



WEAR METALS

Iron	ppm	█ 79	█ 75	█ 64	█ 256
Copper	ppm	█ 12	█ 12	█ 9	█ 33
Lead	ppm	█ 0	█ 0	█ 0	█ 0
Tin	ppm	█ 0	█ <1	█ 0	█ 2
Aluminum	ppm	█ <1	█ <1	█ 0	█ <1
Chromium	ppm	█ 1	█ 1	█ <1	█ 5
Molybdenum	ppm	█ 6	█ 8	█ 7	█ 12
Nickel	ppm	█ <1	█ 1	█ 0	█ 1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	█ 2	█ 2	█ 3	█ 9
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	█ 305	█ 299	█ 275	▲ 926
Magnesium	ppm	█ 30	█ 25	█ 33	█ 3
Zinc	ppm	168	161	146	▲ 399
Phosphorus	ppm	█ 1065	█ 1056	█ 942	█ 1290
Barium	ppm	█ 0	█ 0	█ 0	█ 5
Boron	ppm	█ 166	█ 181	█ 174	█ 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: SANMILFL
Unique No: 10642017
Signed: Wes Davis
Report Date: 11 Sep 2023



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GRAPHS

