



CONSTRUCTION EQUIPMENT

620889 VOLVO A45G 352039 - DROP BOX



Sample No: VCP435116
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 620889



SAMPLE INFORMATION

Sample Number	VCP435116	VCP381260	VCP336814	VCP243978
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	315	265	44.9
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CONTAMINATION

Silicon	ppm	6	6	24	47
Sodium	ppm	<1	4	5	12
Potassium	ppm	5	14	18	7



WEAR METALS

Iron	ppm	▲ 514	348	82	214
Copper	ppm	4	3	6	12
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	2	0	2	13
Chromium	ppm	7	5	<1	2
Molybdenum	ppm	7	4	10	5
Nickel	ppm	3	1	<1	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	2	<1	0
Manganese	ppm	6	7	2	6
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	97	43	178	77
Magnesium	ppm	17	18	61	5
Zinc	ppm	80	40	159	227
Phosphorus	ppm	1048	541	1003	2220
Barium	ppm	<1	0	0	<1
Boron	ppm	121	57	135	147

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other 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: ORAORL
Unique No: 10702385
Signed: Don Baldrige
Report Date: 23 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

