



CONSTRUCTION EQUIPMENT

716824 SYNERGY VOLVO ECR235 314203 - REAR RIGHT FINAL DRIVE



Sample No: VCP450722
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 716824 SYNERGY



SAMPLE INFORMATION

Sample Number	VCP450722	VCP450726	VCP330368	VCP336802
Sample Date	21 May 2024	21 May 2024	09 Jun 2022	15 Nov 2021
Machine Hours	4253	4253	2375	1831
Oil Hours	0	0	1000	1000
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	258	261	178	178
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	28	50	44	19
Sodium	ppm	1	<1	4	0
Potassium	ppm	7	9	1	1

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	513	624	439	339
Copper	ppm	2	2	<1	<1
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	4	3	1
Chromium	ppm	10	12	13	8
Molybdenum	ppm	6	6	2	2
Nickel	ppm	<1	1	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	<1	0	0
Manganese	ppm	5	6	5	4
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	66	81	15	11
Magnesium	ppm	21	22	0	0
Zinc	ppm	65	68	23	9
Phosphorus	ppm	843	899	388	409
Barium	ppm	0	0	0	2
Boron	ppm	103	110	3	2

Depot: VOLVO0093
Unique No: 11049320
Signed: Jonathan Hester
Report Date: 31 May 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

