



CONSTRUCTION EQUIPMENT

564312 VOLVO ECR145 315091 - REAR RIGHT FINAL DRIVE



Sample No: VCP450718
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 564312



SAMPLE INFORMATION

Sample Number	VCP450718	VCP437456	VCP398522	VCP355753
Sample Date	21 May 2024	10 Jan 2024	10 Apr 2023	24 Mar 2022
Machine Hours	3348	2869	1864	973
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

JON M HALL COMPANY
 1920 BOOTHE CIRCLE SUITE 110
 LONGWOOD, FL
 US 32750
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	260	295	288	288
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T: (407)215-0410
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	21	35	9	5
Sodium	ppm	<1	0	2	1
Potassium	ppm	1	0	0	0

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.



WEAR METALS

Iron	ppm	157	270	312	200
Copper	ppm	1	2	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	6	8	▲ 15	▲ 13
Aluminum	ppm	<1	2	<1	1
Chromium	ppm	3	4	3	3
Molybdenum	ppm	1	2	<1	1
Nickel	ppm	1	2	<1	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	2	4	4	3
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	30	60	34	45
Magnesium	ppm	8	16	13	14
Zinc	ppm	23	53	49	49
Phosphorus	ppm	862	1037	875	1009
Barium	ppm	0	0	0	0
Boron	ppm	117	144	114	139

Depot: JONLON
Unique No: 11049304
Signed: Don Baldrige
Report Date: 30 May 2024

VOLVO **GRAPHS**

