



CONSTRUCTION EQUIPMENT

9848 VOLVO ECR145 315091 - REAR LEFT FINAL DRIVE



Sample No: VCP437457
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 9848



SAMPLE INFORMATION

Sample Number	VCP437457	VCP406588	VCP355588	VCP342308
Sample Date	10 Jan 2024	10 Apr 2023	24 Mar 2022	25 Oct 2021
Machine Hours	2869	1864	973	481
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	291	277	278	135
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T: (407)215-0410
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	22	6	4	8
Sodium	ppm	0	2	<1	6
Potassium	ppm	0	0	0	0

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. The tin level has decreased, but is still abnormal. 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.



WEAR METALS

Iron	ppm	223	252	147	468
Copper	ppm	2	0	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	▲ 14	▲ 21	▲ 16	▲ 25
Aluminum	ppm	3	0	<1	2
Chromium	ppm	3	2	2	6
Molybdenum	ppm	2	<1	1	<1
Nickel	ppm	3	<1	<1	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	3	3	2	10
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	103	37	47	30
Magnesium	ppm	16	11	13	4
Zinc	ppm	63	46	43	22
Phosphorus	ppm	991	860	925	324
Barium	ppm	0	0	0	0
Boron	ppm	149	111	135	6

Depot: JONLON
Unique No: 10832907
Signed: Don Baldrige
Report Date: 17 Jan 2024



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VOLVO GRAPHS

