



CONSTRUCTION EQUIPMENT

14028 CASTLE VOLVO ECR145E 312161 - REAR RIGHT FINAL DRIVE



Sample No: VCP447816
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 14028 CASTLE



SAMPLE INFORMATION

Sample Number	VCP447816	VCP369388	VCE254308	---
Sample Date	19 Jan 2024	02 Jan 2023	13 Jan 2021	---
Machine Hours	2757	1990	945	---
Oil Hours	1000	500	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ATTENTION	NORMAL	---

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
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 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 40°C	cSt	76.2	▲ 261	■ 135	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	22	13	13	---
Sodium	ppm	4	2	3	---
Potassium	ppm	<1	1	11	---

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	294	233	256	---
Copper	ppm	1	1	2	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	1	2	---
Chromium	ppm	4	3	4	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	1	0	1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	5	4	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	18	46	27	---
Magnesium	ppm	3	4	1	---
Zinc	ppm	26	54	46	---
Phosphorus	ppm	1762	872	533	---
Barium	ppm	<1	0	3	---
Boron	ppm	191	99	11	---

Depot: VOLVO8882
Unique No: 10846796
Signed: Sean Felton
Report Date: 26 Jan 2024



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GRAPHS

