



CONSTRUCTION EQUIPMENT

SPM661173 HERC VOLVO ECR145EL 311879 - RIGHT TRAVEL



Sample No: VCP454234
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SPM661173 HERC



SAMPLE INFORMATION

Sample Number	VCP454234	---	---	---
Sample Date	15 Apr 2024	---	---	---
Machine Hours	2911	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 144	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The tin level is 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	█ 677	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	▲ 42	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 12	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 13	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 138	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 110	---	---	---
Phosphorus	ppm	█ 525	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 6	---	---	---

Depot: VOLVO0095
Unique No: 10983554
Signed: Jonathan Hester
Report Date: 23 Apr 2024



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VOLVO GRAPHS

