



# CONSTRUCTION EQUIPMENT

## 19244 VOLVO EC140 31556 - REAR LEFT FINAL DRIVE



**Sample No:** VCP412248  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 19244



### SAMPLE INFORMATION

Sample Number	VCP412248	VCP381102	---	---
Sample Date	23 Jul 2023	24 Feb 2023	---	---
Machine Hours	2129	651	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

### HILCO TRANSPORT

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### OIL CONDITION

Visc @ 40°C	cSt	█ 140	█ 138	---	---
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### CONTAMINATION

Silicon	ppm	█ 3	█ 31	---	---
Sodium	ppm	█ 4	█ 6	---	---
Potassium	ppm	█ 0	█ <1	---	---



### WEAR METALS

Iron	ppm	█ 72	█ 312	---	---
Copper	ppm	█ 0	█ 0	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 4	▲ 14	---	---
Aluminum	ppm	█ <1	█ 4	---	---
Chromium	ppm	█ 1	█ 6	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ 0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 1	█ 5	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	█ 17	█ 33	---	---
Magnesium	ppm	█ 1	█ 3	---	---
Zinc	ppm	█ 26	█ 26	---	---
Phosphorus	ppm	█ 962	█ 379	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 168	█ <1	---	---

### 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.

**Depot:** HILGREVC  
**Unique No:** 10587599  
**Signed:** Doug Bogart  
**Report Date:** 06 Aug 2023



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## GRAPHS

