



CONSTRUCTION EQUIPMENT

19593 VOLVO EC140 31556 - REAR LEFT FINAL DRIVE



Sample No: VCP434707
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 19593



SAMPLE INFORMATION

Sample Number	VCP434707	VCP412248	VCP381102	---
Sample Date	28 Sep 2023	23 Jul 2023	24 Feb 2023	---
Machine Hours	2743	2129	651	---
Oil Hours	614	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

HILCO TRANSPORT

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OIL CONDITION

Visc @ 40°C	cSt	139	140	138	---
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CONTAMINATION

Silicon	ppm	4	3	31	---
Sodium	ppm	0	4	6	---
Potassium	ppm	2	0	<1	---



WEAR METALS

Iron	ppm	41	72	312	---
Copper	ppm	<1	0	0	---
Lead	ppm	0	<1	0	---
Tin	ppm	3	4	▲ 14	---
Aluminum	ppm	2	<1	4	---
Chromium	ppm	<1	1	6	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	1	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	63	17	33	---
Magnesium	ppm	1	1	3	---
Zinc	ppm	31	26	26	---
Phosphorus	ppm	1017	962	379	---
Barium	ppm	<1	0	0	---
Boron	ppm	190	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: 10702452
Signed: Wes Davis
Report Date: 23 Oct 2023



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GRAPHS

