



CONSTRUCTION EQUIPMENT

19593 VOLVO EC140 31556 - REAR RIGHT FINAL DRIVE



Sample No: VCP434703
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 19593



SAMPLE INFORMATION

Sample Number	VCP434703	VCP412246	VCP381103	---
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	NORMAL	---

HILCO TRANSPORT

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OIL CONDITION

Visc @ 40°C	cSt	137	139	138	---
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CONTAMINATION

Silicon	ppm	9	4	11	---
Sodium	ppm	0	4	5	---
Potassium	ppm	2	<1	<1	---



WEAR METALS

Iron	ppm	70	102	265	---
Copper	ppm	<1	0	0	---
Lead	ppm	<1	0	0	---
Tin	ppm	3	6	15	---
Aluminum	ppm	2	<1	1	---
Chromium	ppm	<1	2	6	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	37	20	39	---
Magnesium	ppm	1	2	3	---
Zinc	ppm	20	27	27	---
Phosphorus	ppm	1039	880	375	---
Barium	ppm	1	0	0	---
Boron	ppm	193	135	<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: 10702481
Signed: Wes Davis
Report Date: 23 Oct 2023



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GRAPHS

