



CONSTRUCTION EQUIPMENT

5592DR NEW ENTERPRIS VOLVO EC480EL 311235 - REAR RIGHT FINAL DRIVE



Sample No: VCP431947
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 5592DR NEW ENTERPRIS



SAMPLE INFORMATION

Sample Number	VCP431947	VCP298674	VCP263940	---
Sample Date	21 May 2024	05 Apr 2021	12 Dec 2019	---
Machine Hours	2809	1150	486	---
Oil Hours	1000	0	0	---
Oil Changed	N/A	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

HIGHWAY EQUIPMENT & SUPPLY CO
 PO BOX 127
 DRUMS, PA
 US 18222
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OIL CONDITION

Visc @ 40°C	cSt	142	209	170	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	33	17	14	---
Sodium	ppm	2	2	2	---
Potassium	ppm	2	2	<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.



WEAR METALS

Iron	ppm	266	327	350	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	1	<1	0	---
Aluminum	ppm	4	4	1	---
Chromium	ppm	3	5	5	---
Molybdenum	ppm	<1	1	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	3	4	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	50	94	6	---
Magnesium	ppm	8	25	<1	---
Zinc	ppm	48	48	10	---
Phosphorus	ppm	628	693	311	---
Barium	ppm	0	<1	4	---
Boron	ppm	50	84	1	---

Depot: VOLVO0022
Unique No: 11047545
Signed: Sean Felton
Report Date: 29 May 2024



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GRAPHS

