



CONSTRUCTION EQUIPMENT

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



Sample No: VCP428642
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 5592DR NEW ENTERPRIS



SAMPLE INFORMATION

Sample Number	VCP428642	VCP298681	VCP263973	---
Sample Date	21 May 2024	05 Apr 2021	12 Dec 2019	---
Machine Hours	2809	1150	486	---
Oil Hours	1000	0	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

HIGHWAY EQUIPMENT & SUPPLY CO
 PO BOX 127
 DRUMS, PA
 US 18222
 Contact: JOSEPH GLOWACKI
 joe@hwyequip.com
 T: (570)788-1127
 F: (570)708-2933



OIL CONDITION

Visc @ 40°C	cSt	141	188	160	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	29	13	17	---
Sodium	ppm	2	2	2	---
Potassium	ppm	4	2	3	---

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	295	311	377	---
Copper	ppm	<1	2	<1	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	6	3	2	---
Chromium	ppm	4	4	5	---
Molybdenum	ppm	<1	1	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	3	4	5	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	48	79	13	---
Magnesium	ppm	10	19	2	---
Zinc	ppm	31	72	22	---
Phosphorus	ppm	614	676	322	---
Barium	ppm	0	<1	4	---
Boron	ppm	57	80	1	---

Depot: VOLVO0022
Unique No: 11047544
Signed: Sean Felton
Report Date: 29 May 2024



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GRAPHS

