

# Tier 4 EMD24B [RE]powered Locomotive

The EMD24B is an EMD GP-style locomotive powered by a Cat® 3512C HD engine and Kato alternator. Designed with flexibility in mind, this unit allows customers to choose options without extensive engineering. The EMD24B utilizes rebuilt GP-style trucks with rebuilt D78 traction motors and has been constructed with a new crashworthy underframe, cab and fuel tank.

# [RE]

use  
new  
manufacture  
invest  
cycle



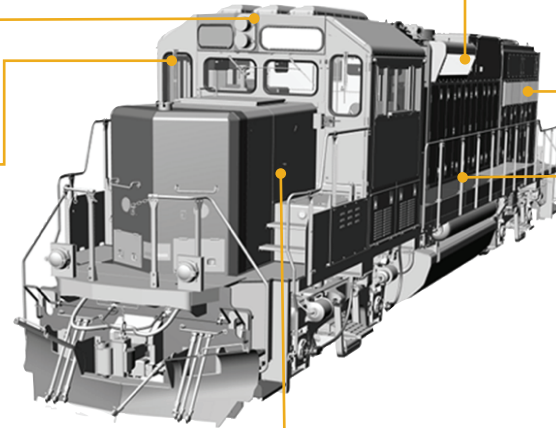
- ▶ Reliable and fuel efficient Cat® 3512C HD 2000 HP engine
- ▶ New HVC with Zeit SAL V locomotive control system
- ▶ New Atlas Copco rotary screw air compressor
- ▶ New Progress Rail PowerView event recorder with LDVR
- ▶ Offered with a 2-year warranty for new content

Locomotive Model	EMD24B Repower
Engine Model	Cat® 3512C HD
Brake Horsepower	2,100
No. of Cylinders	12
Low Idle Speed RPM	600
Full Speed RPM	1,800
Exhaust Aftertreatment Type	SCR and DPF
Emissions Certification	Tier 4 switch
Radiators	Mech. bonded
Traction Alternator	Kato – 1,530 kW
Companion Alternator	Kato – 250 kW
Air Compressor	Atlas Copco GAR 37

**Progress Rail**  
A Caterpillar Company

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- Zeit SAL V control system provides increased adhesion over the conventional Dash 2 control system
- Filter change intervals increased from 92 days to 184 or 368 days, see specifications below
- Equipped with electric operated handbrake  
Set and release signals are provided to the control system for increased AESS shutdown when the handbrake is set



- Can be equipped with extended range dynamic braking and self load capability  
Isolation-mounted engine for reduced noise and vibration, as well as improved ride quality
- Anti-freeze protection is provided in the new cooling system and increases AESS shutdown time
- Configured for switch duty cycle Tier 4 emissions with a new, state-of-the-art aftertreatment device, which includes SCR, DOC, and DPF technology

## Cat® 3512C HD Engine

- ▶ Caterpillar has produced over 170,000 of its 3500 series engines since 1980
- ▶ Decrease in fuel consumption of up to 15% from a typical GP38-2
- ▶ Oil change interval can be extended to 368 days from 184 days with proper oil sampling
- ▶ Fully integrated engine and aftertreatment protection by Zeit SAL V control system and the ECM
- ▶ Demonstrated engine system reliability (includes engine and aftertreatment)
- ▶ Supported by Progress Rail and your Local Cat® Dealer.

