

Tier 4 PR24B [RE]powered Locomotive

The PR24B 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 PR24B 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
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cycle



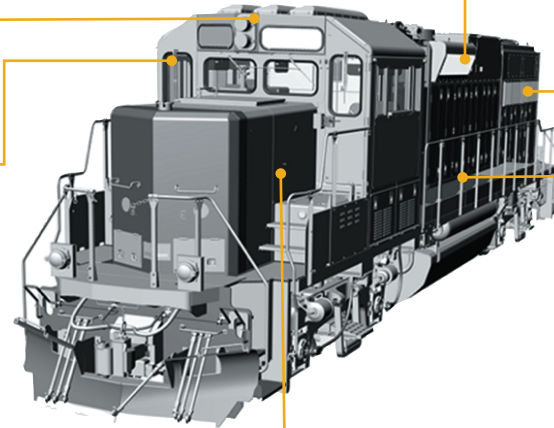
- ▶ Reliable and fuel efficient Cat® 3512C HD 2000 HP engine
- ▶ New HVC with Zeit SAL V locomotive control system
- ▶ New Atlas Copco rotary screw air compressor
- ▶ New Progress Rail PowerView event recorder with LDVR
- ▶ Offered with a 2-year warranty for new content

Locomotive Model	PR24B 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

PR24B [RE]powered Locomotive

- 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.

