

TURNKEY MOBILE LABORATORY COACH

2000 Prevost Le Mirage XLII

45' luxury monocoach • ~108,000 miles • ~\$33K fresh Prevost service • dual 20kW generators • complete fuel & emissions laboratory included

Offered at
\$189,000 OBO • complete with equipment

This is not a used bus. It is a low-mileage Prevost Le Mirage XLII — the heavy-duty stainless monocoque platform the world's finest converters build on — carrying a self-sufficient power plant and a complete, working petroleum & emissions laboratory. Originally professionally converted and most recently operated by the California Air Resources Board, it has just received roughly \$33,000 of service through an authorized Prevost center.



Why this coach stands apart

- Low ~108,000 miles on a platform built to run 1,000,000+.
- ~\$33,000 in recent authorized Prevost service — records available.
- Dual 20kW Martin diesel generators + commercial-grade power, HVAC, plumbing.
- Complete fuel/emissions lab — over \$470,000 in original equipment, operational.
- Movable, sells nationwide / for export — CARB limits CA registration only.



PROFILE

COCKPIT

BUILD PLATE

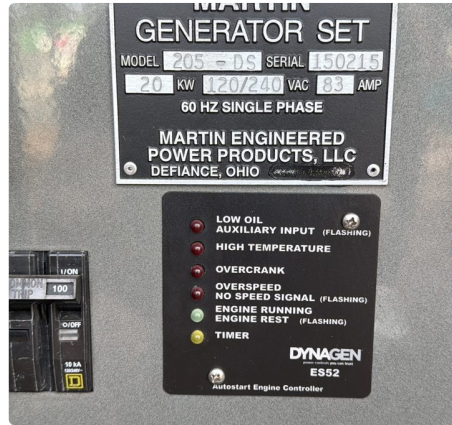
Platform & running gear

- Prevost Le Mirage XLII, 45', wide-body, air-ride suspension, stainless monocoque structure.
- Detroit Diesel Series 60 with Allison automatic transmission (*buyer to verify exact configuration*).
- ~108,000 miles — exceptionally low for this platform.
- Full point inspection / DMI and ~\$33K service completed at an authorized Prevost center; major engine, drivetrain, and mechanical systems operational.



The cabin pairs a comfortable forward lounge with captain seating and a fully built-out working area aft. Cabinetry, counters, and work surfaces run the length of the coach, with dedicated climate control and ventilation throughout. The layout is immediately usable as a mobile lab or command/office platform — and is an ideal, professionally finished canvas for a custom conversion.

The hard, expensive groundwork is already done. This coach was purpose-built to run independently anywhere.



Power & systems

- Dual 20kW Martin diesel generators — true redundant power.
- Commercial-grade electrical distribution + inverter/charger system.
- Large battery bank with Vanner equalizer.
- HVAC and dedicated laboratory ventilation.
- Onboard plumbing and water systems.



A complete, integrated petroleum and emissions testing laboratory is installed and was operational at decommissioning, last serviced in 2023 (records available; recalibration recommended per the buyer's QA). For a refiner, fuel terminal, university, fuel-quality program, testing service, or export buyer, this is a **self-propelled, turnkey lab at a fraction of new cost** — with over **\$470,000** in original equipment included at the offered price.

Instrument / system	Qty
PAC / Herzog OptiDist – atmospheric distillation (ASTM D86)	2
Bruker SCION 456-GC – gas chromatograph w/ autosampler	1
Anton Paar DMA 4500 M – density meter	1
PAC / ANTEK ElementS – sulfur/nitrogen analyzer + PAL autosampler	1
Grabner MINIVAP VPS – vapor pressure (RVP) analyzer	3
Grabner / AMETEK MiniScan IR Vision – fuel FTIR analyzer	1
PetroSpec TD-PPA – turbine/jet fuel analyzer (+ 4 modules)	1
STI Series 4000 unit	1
Chrysalis 300 Series gas generators	4
Scott Specialty Gases – regulator manifold panel	1
Air Science Technologies – ductless hoods	4
HP EliteDesk control computers	2



All units operational at decommissioning, last serviced 2023; records available. Approximate original (new) equipment investment exceeds **\$470,000**. Equipment can be included as shown or removed by arrangement.



History. Professionally converted by Premier Motor Coaches and operated as a mobile field laboratory by the California Air Resources Board (CARB). Decommissioned and sold at government auction due to a California regulatory change — **not** due to any known mechanical defect.

California / CARB disclosure (please read). This coach can no longer be registered or operated in California under current CARB emissions rules. It is offered for **out-of-state, export, off-highway, private, commercial, or industrial use**. The coach is located in Southern California and is movable/transportable. The buyer is responsible for registration, titling, and emissions compliance in their own state or country; many jurisdictions are not subject to CARB restrictions. Please confirm requirements before purchase.

What's included

- The complete coach, all onboard power, HVAC, plumbing & lab infrastructure.
- Full laboratory equipment package (over \$470K original value) — included at the offered price.
- Prevost service documentation and equipment records.

Coach

Year / Make	2000 Prevost
Model	Le Mirage XLII
Length	45' · Class A
Mileage	~108,000
Engine	Detroit Diesel Series 60*
Transmission	Allison automatic*
Generators	Dual 20kW Martin
VIN	2PCW3349XY1027055
Location	Southern California (90292)

*Buyer to verify exact drivetrain configuration.

Offering

Complete with equipment

\$189,000 OBO

Coach-only / equipment-removed pricing available on request.

Contact

Dustin

dustin@goencharge.com

Call or text: (949) 291-6504

Serious inquiries welcome. Full service records, equipment list, and additional photos available. Buyer arranges transport; we can help coordinate shippers.

