

Western Pacific SD70ACe

- Eugene John Vicknair

On July 30, 2005, the Union Pacific unveiled the first two entries in its "Heritage" series of locomotives. These engines will wear paint schemes that pay tribute to some of the roads that are now part of the UP system. One of the first is UP 1983, an SD70ACe locomotive from Electro-Motive Diesel, Inc. whose image commemorates the Western Pacific Railroad.

The FRRS was proud to aid the UP in the creation fo this locomotive by providing information and a paint sample to match the "Perlman" green paint used in the scheme. After being dedicated in a ceremony in Omaha, NE, the UP 1983 came west. One of its first stops was to come to Portola for display as part of Portola Railroad Days.

UP 1983 arrived at the museum on August 18th. She was station on track 1, near the west end of the Diesel Shop, and opened for tours by our visitors. FRRS Director Matt Parker acted as 1983's caretaker and docent while she was on the property. Many Railroad Days visitors were quite intrigued with the big engine and were amazed to learn how new and powerful it was. Being able to view our classic, first generation power one track over from their modern cousin gave everyone quite a first hand lesson in diesel evolution.



- photo by Kerry Cochran

Thanks to the Union Pacific for creating this unique tribute to our WP and providing an opportunity for us to share it with the public.

Locomotive Model SD70ACe

Traction Power, Nominal	4300 HP
Prime Mover	Turbocharged Two-stroke Diesel
Prime Mover Model	16 -710G3C-T2
Number of Cylinders	16
Full Prime Mover Speed	950 RPM
Maximum Locomotive Speed	70 MPH
Tractive Effort	157,000 lbf @ 8.8 MPH
Stall Tractive Effort	191,000 lbf
Dynamic Braking	106,000 lbf (20.6 to 1.0 MPH)
Fuel Tank Capacity	4900 U.S. Gal.
Length over coupler faces	74 Ft. 3 In.
Width over long hood handrails	10 Ft. 8 In.
Maximum Height	16 Ft. 1 In.
Locomotive Weight	428,000 Lbs.



- photo by Pat Brimmer