



Progress Rail's Maintenance-of-Way (MOW) division was born out of the movement toward mechanization in the railroad industry and introduced the first Kershaw® Ballast Regulator in 1945.

Today, we supply Kershaw® MOW equipment, providing machines to all Class I railroads, transit and short lines and contractors around the world.

The Kershaw® 34-7 Horizontal Scarifier scarifies the tie bed with minimum disturbance to the line and surface of the track.

The Kershaw® 34-7 Horizontal Scarifier is a self-propelled machine designed to loosen and remove ballast and other debris from the cribs where old ties have been removed. The head design enables the machine to consistently scarify the right amount of ballast for easy tie insertion with a minimum of tie bed disturbance and tamping requirements.

**Progress Rail**  
A Caterpillar Company

800-633-5766

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# KERSHAW® 34-7 HORIZONTAL SCARIFIER

**Frame:** The frame is off all welded construction using structural channel and formed plate.

**Weight:** 15,800 pounds.

**Engine:** Caterpillar C4.4 131 hp @ 2200 rpm Tier IV Final

**Propel System:** 3" (76 mm) diameter solid axles with chain drive from separate hydraulic motors driving both axles. Travel speed: 20 mph (32 km/hr). Two (2) propel drive motors for quicker response in work mode. #100 drive chain with hardened tooth sprockets. Heavy duty axle bearings.

**Wheels and Brakes:** 16" (406 mm) cast steel wheels. External, individual composite brake shoes applied directly on centerline of wheel tread. Service brakes are air applied, spring released. Emergency/parking brakes are spring applied, air released.

**Electrical System:** 24VDC negative ground. System maintained by engine driven alternator. Color coded and numbered wiring.

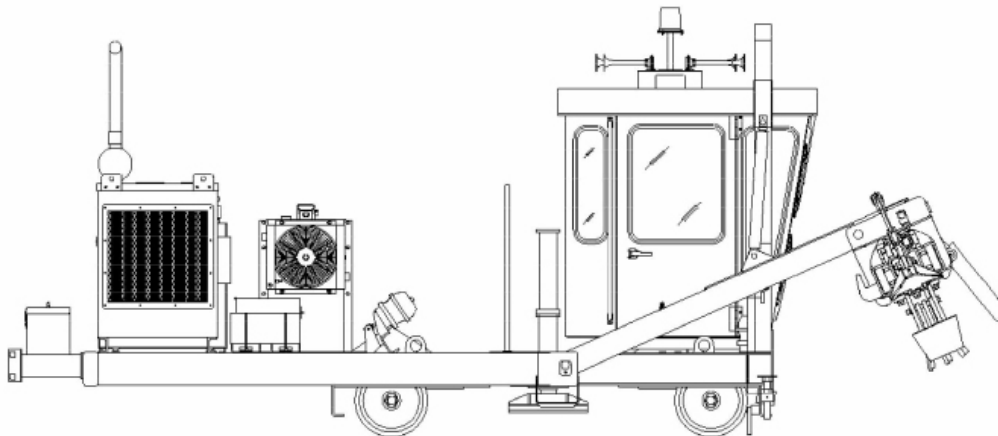
**Hydraulic System:** Pressure compensated piston type pump direct coupled to engine. Hydraulic oil is filtered through a 100 mesh (145 micron) suction screen and 10 micron return line filter. Manifold-type stack valves for improved serviceability. Electric emergency pump.

**Capacities:** Fuel: 70 gal, Hydraulic: 60 gal.

**Air System:** A 12 cfm (.34 m<sup>3</sup>/min) @1,250 rpm air compressor, engine oil lubricated, air-cooled; pressure - 110-120 psi (758-927 kPa), 15-gallon air tank.

**Cab:** Large enclosed cab with 99.5 cubic foot capacity. Ergonomically designed seat. Large front windshield with unobstructed view of operation. Hydraulic pilot-pressure bottom-ported joystick controls on operator seat with heat shields. Self-contained hydraulically driven air conditioner/ heater/pressurizer unit mounted on rear wall of cab (roof mount optional).

**Options:** Non-insulated wheels, extended reach head extension, tie inserter winch with sweeper to remove ballast from new ties, rock axle kit, rear rubber padded bumpers.



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