GN 400 HUSTLE MUSCLE INFORMATION

3600 Horsepower SD45 Diesel-Electric Locomotive (The diesel engine turns a generator, electricity makes it go)

20 Cylinder, 2 Cycle, Turbocharged Diesel Engine

16 - 1 Compression ratio, 645 cubic inch per cylinder

Each piston is 9 1/16" diameter X 10" stroke

4 Exhaust valves and 1 fuel injector per cylinder

Idle RPM is 315, Throttle 8 RPM is 900

4000 Gallon fuel tank 294 Gallons of engine lube oil

288 Gallons of cooling water (no anti-freeze)

Fuel consumption: Low Idle 4.7 gal/hr

Normal Idle 6.0 gal/hr Throttle 8, full load 194 gal/hr

Main traction Alternator (rectified output) 600 volts DC 9000 amps

6 Axel mounted DC Traction Motors - 600 HP each

Air Compressor is 3 cylinder, 2 stage, water cooled 254 cubic feet per minute at 900 RPM

Main Reservoir pressure is 130 - 140 PSI

Driving wheels are 40" diameter

Dynamic Brake is 700 AMP capacity

Gear Ratio as delivered 60 - 17 (76MPH)

currently 62 - 15 (65MPH)

(lower speed equals more pulling power)

Auxiliary Generator 74 volts DC 18 KW (for control circuits and battery charging)

Locomotive weight 367,200 lbs

length 65 feet 8 inches
width 10 feet 3 inches
height 15 feet 7 inches