**Best locomotive**

**Reason for GE Transportation**

- **Skilled engineers**
  - We have 12,000 employees over 65 countries. These employees try their best to maximize the customer's benefits.

- **Long experienced**
  - Established more than a century ago
  - Various aspects of field that employees are currently work

- **Advanced technology**
  - We always try to maximize the customer needs effectively. As a result, we always get the best results with advanced technology.

---

**Advantages of GE locomotive**

- **Eco friendly**
  - Meet EPA requirement
  - Reduces amount of smog
  - Reduces amount of pollutants such as NOx

- **Larger capacity**
  - More space for freight than previous model

- **Cost Effective**
  - Reduced price of locomotive
  - Reduced price of fuel

- **Fast speed**
  - Fast enough speed to delivery on time
  - No need to worry about delivery.

---

**Fuel - Liquid Natural Gas**

- **LNG**
  - Natural Gas converted into the form of liquid to store and transport easily

- **Cost**
  - Cost can be reduced about 50% by using LNG
  - Diesel with full coal train/500 miles → $31914.9
  - LNG with full coal train/500 miles → $7938.9

- **capacity**
  - LNG occupies very small space in the locomotive → more space for freight
  - CNS with full coal train/500 miles → 181,229.5 ft³
  - LNG with full coal train/500 miles → 26,534 ft³

---

**System Cycle Diagram**

- Rolling Hill Generating Plant
- 30th Train Station in Philadelphia

- Supplement fuel: LNG 23456.07 gallons
- Go to handle cargoes: coal and freight cars

- 5 Empty coal train (78 tons)/day
- 15 Empty freight train (60 tons)/day

- Travel in freight cars and coal
- Full coal train and freight train
- Travel out freight cars and coal

---

---

---

---

---

---