

APPLICATIONS

April, 1997 volume 1

SIC CODE 4013

Diesel Fuel Oil

Across the world train transportation continues to be active. Every Locomotive Engine requires fuel. Every train yard should have refueling facilities. This requires pumps!!

Blackmer GX and X model pumps are terrific at handling diesel fuels. Typically the viscosity is low (30-100 SSU). With zero vapor pressure, diesel fuel can be lifted from underground storage tanks with ease. A vertical lift of

12 feet is not uncommon. Customers enjoy using Blackmer pumps due to low maintenance. Typical "mean time between maintenance" (MTBM) can be as long as 2-3 years. When the pump requires a new set of vanes to return to "as new" efficiency, only a few minutes downtime with the pump remaining in the piping is necessary.

Blackmer pumps last longer (5-10 times over the competition). The pumps self-adjust to retain high

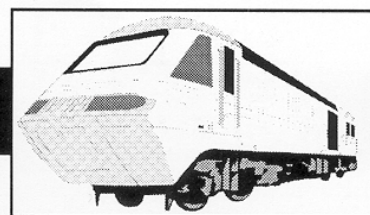
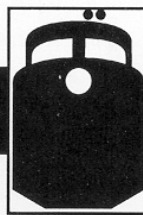
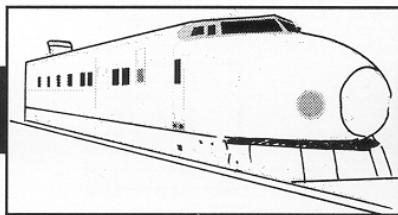
efficiency.

Competition

- Gear pumps
- Centrifugal pumps
- Lobe pumps
- Other vane pumps

Glossary

- **SIC** - Standard Industrial Classification codes
- **SSU** - Saybolts Seconds Universal

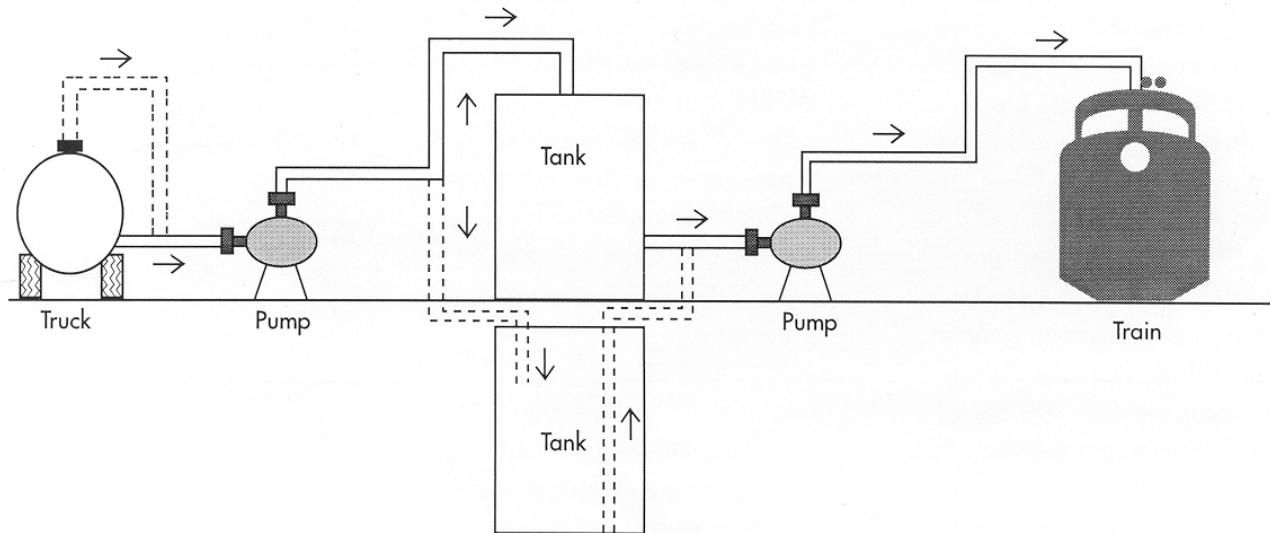


LOCOMOTIVE REFUELING

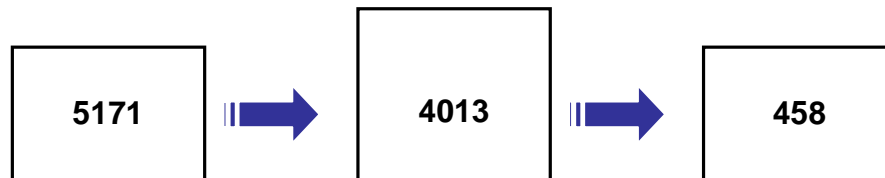
- ❑ Locomotive engine refueling
- ❑ Rail Yards and Terminals
- ❑ GX and X pumps
- ❑ Low cost of Ownership - As much as 20 years without replacement

CHECKLIST

1. SUCTION CONDITIONS
 - A. Lift
 - B. Valves, T's, Elbows, Manifolds
 2. FLOW RATE REQUIRED
 3. SYSTEM PIPING EQUAL TO OR LARGER THAN PUMP PORT SIZE
 4. AVAILABLE SITE UTILITIES vs PUMP DRIVER REQUIREMENTS
 5. REQUIRED DUTY CYCLE (Expected operation time, hours per day)
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SIC CODES



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