

ArcelorMittal: Biodiesel

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Customer Needs

- Recycle the waste products of ArcelorMittal
- Reduce the waste footprint of the company
- Create an environmentally friendly solution that will benefit the company



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- Wastecare Corporation Dump feed shredder
- Shreds plastics and woods

KDV System

- Smallest system creates about 28,500 gallons/yr
 - Largest about 856,700 gallons/year
- About 25 euro/cents per liter = \$1.01 per gallon
 - Compared to average diesel = \$3.08 per gallon

*US Energy Information Administration data 4/13/15



Cost Analysis

- Saving \$2.07/gallon
- 100 trucks ~ 40 gallons per day
 - \$8,280 saved per day
- Avg. train
 - 436 ton-miles/gallon
 - Can move 500 miles/gallon per ton of cargo
 - Typical train hauls 3000 tons
 - 3200 gallons of diesel
 - Savings of \$6,624 on diesel per train



DIESEL
FUEL

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