

Is Misfueling an Issue?

Highway Diesel Fuel Implementation
Workshop

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What is the Harm of Misfueling?

- Misfueling will negate the environmental benefit of the aftertreatment devices that engine manufactures will be installing in 2007 and will irreversibly damage these devices!
- Misfueling will increase the cost of ownership!

What Prevents Accidental Misfueling?

- Pumps and trucks will be labeled!
- ULSD will be readily available (75%)!
- Owner's manuals and other communications will educate the owner!
- Diesel owners are more sophisticated!
They pay a premium for diesel engines, want trouble free performance, and fleets have maintenance experts .

What Prevents Intentional Misfueling?

- An Environmental Conscience (ULSD will reduce the emissions from all diesel engines)!
- ULSD will be readily available (75%)!
- No economic incentive!

Why no economic incentive? Doesn't ULSD cost more to refine (4-5¢/gal)?

- Supply-Demand economics doesn't support higher prices for ULSD!
- Cost of refinery credits!
- Distribution costs will be higher for LSD because it will be a low volume fuel with a short market life (3 years)!
- Misfueling will decrease fuel economy!
- Misfueling will void warranties, increase down time, and decrease engine life!

Is more needed?

Small nozzles, trap doors, dyes, color coded collars, bar codes, transducers, and the like add more cost and inconvenience than value!

Conclusion

Misfueling will have serious consequences, but the USEPA designed the diesel fuel rule with adequate safeguards to prevent misfueling from becoming a significant problem!!