



Fuel Innovation Co., Ltd.

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Product Specification Sheet Alternative Industrial Fuel - Type D1

Alternative Industrial Fuel -Type D1 by Fuel Innovation Co., Ltd. is an industrial diesel fuel that has undergone a re-refining and filtration process. It is designed for heavy trucks, excavators, construction machinery, and industrial operations requiring cost-effective and stable fuel.

| Parameter | Test Method | Unit | Typical Result |
|---|-------------|------|---------------------|
| Specific Gravity @15°C | ASTM D4052 | - | 0.8314 |
| Cetane Index | ASTM D976 | - | 63.5 |
| Sulfur | ASTM D5453 | %wt | 0.225 (=2250 ppm) |
| Carbon Residue (10% dist.) | ASTM D4530 | %wt | 0.36 |
| Water & Sediment | ASTM D1796 | %vol | 0.05 |
| Ash | ASTM D482 | %wt | <0.001 |
| Flash Point | ASTM D93 | °C | <40 |
| Distillation, 50% recovered | ASTM D86 | °C | 333.1 |
| Distillation, 90% recovered | ASTM D86 | °C | 404.9 |
| Polycyclic Aromatic Hydrocarbons (PAHs) | IP 391 | %wt | 1.19 |
| Color | ASTM D1500 | - | 2.0 (Yellow liquid) |

Recommended Applications

- Heavy trucks (10-wheel, 18-wheel, dump trucks)
- Excavators, wheel loaders
- Road rollers, graders, construction equipment
- Industrial applications not requiring Euro 4–5 standard

⚠ Not Recommended For: Passenger diesel cars, on-road vehicles

Advantages

- **Save 3 THB per liter** compared to Euro 4/5 fuels
- Suitable for heavy
- duty applications where strict emission standards are not required
- Direct delivery to job sites with flexible credit terms
- COA available for every production batch



⚠ Disclaimer & Legal Notice

- The values shown are Typical Values from certified laboratory testing.
- Actual batch results may vary slightly, with a COA provided per delivery.
- This product is intended solely for **industrial and heavy-duty off-road use**.
- **Not suitable for passenger vehicles or on-road use.**
- This document is for technical reference only. Fuel Innovation Co., Ltd. accepts no liability for misuse or application outside the intended purpose.

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