



Fuel Innovation Co., Ltd.

58/117 Chalerm Phrakiat Rama 9 Soi 30, Yaek 19/1,

Dokmai, Prawet, Bangkok 10250, Thailand

Tel: (+66) 098-227-7887 (Mr. Nick), (+66) 065-919-9464 (Mr. Tom)

Email: fuelinnovation.th@gmail.com

Date: November, 2025

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.

Fuel Innovation Co., Ltd. | 58/117 Chalerm Phrakiat Rama 9 Soi 30, Yaek 19/1, Dokmai, Prawet, Bangkok 10250, Thailand

Tel: 098-227-7887 (Nick), 065-919-9464 (Tom) | Email: fuelinnovation.th@gmail.com

