

E2E Co., Ltd.

939/26 Moo 12, Bangna-Trad Rd., Kwang Bangna, Khet Bangna, Bangkok 10260 Thailand Tel: 0-2693-8850-3 Fax: 0-2693-8854

Re-Powering with Omnitek/Perkins CNG Engine - Performance Data

Truck Type

Semi-Trailer 3 Axles, Total Weight 45 Tons (Full Load)

Routing and Load Behavior

Total Routing Distance = 330 Kms +/- 15 Kms **No Load** @ 15 Tons with driving distance 165 Kms **Full Load** @ 45 Tons with driving distance 165 Kms

Overall Fuel Consumption @ 330 Kms

Diesel (Record from previous engine Isuzu Rocky 195HP) = 110 - 120 Liters NGV (Omnitek/Perkins CNG Dedicated Engine 200 HP) = 120 - 135 Kgs

Fuel Savings @ 330 Kms

Based on Maximum fuel consumption; Diesel = 120*25.49 = 3,142.8 THB or 9.52 THB/Km NGV = 135*8.5 = 1,147.5 THB or 3.5 THB/Km

Saving = 3,142.8-1,147.5 = 1,995.3 THB or 63.5%

Thailand Reefrence Data as of 28 Apr. 06 Diesel Price = 26.19 THB/L, NGV = 8.5 THB/Kg Currency = 1USD: 39.00 THB









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Engine Detail

CNG Dedicated Engine Model 5.8 Liter Omnitek/Perkins

Features and Benefits

Delivers up to 200 hp with superior torque (up to 460 ft-lbs), for quick response, improved acceleration and pulling power. Designed with top quality components for improved heat dissipation and high durability. The advanced engine management system assures good power, low emissions and fuel consumption.

<u>General Data</u>

Power and Torque: 200 hp / 460ft-lbs (hp/torque mapped to meet critical payloads) Combustion System : 6 Individual Ignition Coils Turbo After Cooler : Air to Air Engine Type : Four cycle, In-Line Six Aspiration : Turbocharged Compression Ratio : 11.0:1 Displacement : 5.8 Liters Power Steering Pump: Included Air Compressor: Included



Fuel System

- Stoichiometric, Closed-loop, Adaptive Learning Technology
- Computerized Management System, Electronic Fuel Injection
- Fuel Type: CNG

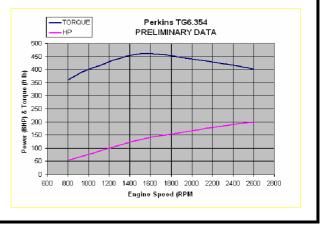
Transmission System

- Manual Gear (4 forward and 1 reverse)
- Gear Ratio 7.00 / 3.80 / 1.94 / 1.00 (forward) and 6.60:1 (reverse)
- Hydraulic Clutch

Warranty

• 1 yr or 100,000 Kms







The Solution for Diesel to NGV Technology