



# ADyI

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## 416 SERIES MOBILE HIGH OUTPUT GASOLINE GENERATORS

### Frequently Asked Questions

#### What engine is used in the 416 Series Mobile Generators?

The 416 Series Mobile Generator models all utilize a heavy duty industrial Hyundai 4 cylinder, 1.6 liter, in-line DOHC engine specifically designed for power generation applications.

#### What output options are available in the 416 Series Mobile Generators?

The 60 Hz 120/240 VAC models of the 416 Series Mobile Generators are available with 12.5 kW 50/50, 15 kW 60/60, and 17 kW 70/70 ratings. The 50 Hz 230 VAC model is available with a 12.5 kW 54 amp output. Properly maintained, all models should provide 10,000 hours of full load operational service.

#### What type of oil is required for an oil change and how often is an oil change required?

After the initial 50 hour break in period, the oil should be changed every 400 hours with a full synthetic oil like 10W-30 Mobile 1 Extended Duty, or equivalent, or 5W-30 Mobile 1 Extended Duty for cold weather environments. This oil change interval is clearly presented on a service information decal located on the generator.

#### Where are service and regular maintenance parts available?

All normal service and maintenance parts are available from a local auto parts retailer. A listing of compatible part numbers is on the service information plate on the generator.

#### What is the Advanced Dynamo patented Heat/Exhaust Riser Pipe System and why is it so important to the operation and life of the 416 Series generators?

The Advanced Dynamo Industries patented heat/exhaust riser pipe system works in two very important ways. First, the system directs the exhaust fumes up to the roof so that there is no chance for exhaust fumes to accumulate under the vehicle and then enter into the interior of the vehicle through an open window and/or door. Secondly, the high heat output from the exhaust components, particularly the catalytic converter, is captured and channeled up and away from the generator body helping to reduce the ambient operating temperature of the generator, thus prolonging its life.

#### Can service to the 416 Series generators be performed without the removal of the generator from the vehicle's generator compartment?

Yes. All needed routine maintenance and services can be performed from the open exposed side of the generators. There is no need to drop the generator from the generator compartment for servicing.

#### Can the Advanced Dynamo 416 Series Mobile gasoline generators operate on other fuel sources?

Yes. The 416 Series can be set up to utilize other fuel sources other than gasoline, such as LPG (Propane), CNG (Compressed Natural Gas) or a dual fuel gasoline/LPG option.

#### Where and how are warranty repairs performed?

The 416 Series Mobile generators are warranted for one year from the time of installation or 1,000 operational hours, whichever comes first. Any qualified RV Service Center can perform a warranty repair, but Advanced Dynamo must be contacted prior to initiating any repair based on a warranty claim that seeks a labor reimbursement from ADI. After evaluation of the problem, ADI will authorize and issue a capped purchase order to the service center for the labor and parts required to complete the repair. Please direct the service center to contact ADI early in the diagnostic phase, prior to any work being performed, as ADI will assist the service center in diagnosing the problem(s) correctly. This required warranty processing procedure is clearly documented along with the warranty registration.