

# Cat® Dynamic Gas Blending Engine Upgrade Kit

For select 3500 petroleum generator sets in drilling and production applications



## Your Engines... Today's Flexible Technology

Upgrade select petroleum and drilling engines to get the most from fuel combustion. Dynamic Gas Blending continuously modulates gas substitution under all transient loading to optimize fuel savings.

Engine Model	3516B	3512B	3512B	3512C	3512B
Application	Production	Production	Drilling	Drilling	Drilling
Frequency	50 Hz	60 Hz	60 Hz	60 Hz	50 Hz
Speed	1500 rpm	1800 rpm	1200 rpm	1200 rpm	1500 rpm
Power	1.6 MW	1.3 MW	1477 hp	1477 hp	1757 hp
Emissions	NC	NC	Tier 1 / NC	Tier 2	NC
Max Gas %	70	70	70	70	70
Transient Performance	G1 ISO8528-5	G1 ISO8528-5	G1 ISO8528-5	G1 ISO8528-5	G1 ISO8528-5

Dynamic Gas Blending automatically adjusts to changes in incoming fuel quality and pressure, allowing your engines to run on a wide variety of fuels, from associated gas to gasified LNG.

## Upgrade Overview

- Up to 70% gas substitution
- Maintains current power and transient response
- Lower operating costs
- Flexibility to use wide range of gas quality
- Upgraded controls interface with improved diagnostic capability
- Bolt-on component installation
- Full warranty coverage
- Consolidated parts packaging
- Ease of order with one part number for the kit
- Exceptional life with genuine parts



# Cat Dynamic Gas Blending Upgrade

## Upgrade Features and Benefits

### Sustainable Development

- Continuous Monitoring of generator output and response
  - Automatically adjusts to changing gas quality
  - Sustained gas substitution
  - Operates on a wide range of Methane number and up to 55% inerts
- Compliance for critical areas
  - Kit maintains factory emissions rating of the diesel engine while lowering overall emissions

### Lower Cost of Ownership

- Gas substitution can substantially reduce fuel costs
- No change to core diesel engine components
- Maintains existing maintenance and overhaul intervals
- Improved controls capability can reduce additional infrastructure needed to operate multiple generator sets in parallel
- No recalibration needed when equipment is moved or gas supply changes

### Improved Diagnostic Capability

- Upgraded to ADEM™ A4
- Descriptive diagnostic codes improve time-to-diagnose speed
- Analog gauge display allows for quick check of key engine health parameters

### • ADVANTAGE

Guaranteed for fit and function, Cat® parts have the right combination of quality and price with total support from your Cat Authorized Service Location.

### • PRODUCT SUPPORT SOLUTION

Your Cat dealer is available with genuine parts and trained experts to keep your operation up and running wherever you are, whenever you need them, for the life of your engine.

### • ORDERING

Your Cat dealer will provide details and confirmation of availability.  
**For more information, visit [www.catoilandgasinfo.com](http://www.catoilandgasinfo.com) today.**

