

# AR<sup>®</sup>



Shown with  
Optional Equipment

## FEATURES

### FUEL ECONOMY

Consistent performance, variable-timed fuel injection, linked rpm turbocharger match, excellent fuel economy over entire operating range.

### RELIABILITY AND DIESEL DURABILITY

Diesel tough components, precise balance, and conservative speed for smooth operation and long engine life.

# Underground Mining Equipment

## 3406E

ATAAC  
350-500 hp

## CATERPILLAR<sup>®</sup> ENGINE SPECIFICATIONS

In-Line 6-Cylinder, 4-Stroke-Cycle Diesel

Bore — in (mm) ..... 5.4 (138)

Stroke — in (mm) ..... 5.5 (140)

Displacement — cu in (L) ..... 550 (9.0)

Application ..... Turbocharged for ATAAC

Compression Ratio ..... 16.25:1

Rotation (from flywheel end) ... Counterclockwise

Capacity for Liquids — U.S. gal (L) ..... 8.4 (32.0)

Cooling System ...

Lube Oil System (incl.

Weight, Net Dry (upper

Including Flywheel

1 Air-to-air aftercooling

2 Engine oil - Capacity with water

Water



# PDF

### FLEXIBLE APPLICATION RANGE

High torque rise, big displacement, convenient installation, more performance for your money.

### WORLDWIDE PRODUCT SUPPORT AND PARTS AVAILABILITY

### ELECTRONICALLY CONTROLLED

Provides superior performance, emission and smoke control; allows system integration and data management.

## STANDARD EQUIPMENT

### Cooling

gear-driven jacket water pump crank pulley  
O-groove V-belt

### Crankcase breather

Flywheel & housing (SAE No. 1 fltyl)

### Fuel

spin-on, high efficiency filter  
priming and transfer pumps

### Governor

full-range electronic  
isochronous PTO mode governing

### Lubricating

full flow cooler  
right-hand oil filter  
left-hand filler and gauge group  
gear-driven pump  
front sump oil pan

### Turbocharger

Vibration damper and pulley

## STANDARD ELECTRONIC FEATURES

Automatic altitude compensation

Automatic fuel temp-power compensation

Electronic data link, ATA/SAE

Electronically controlled unit injector fuel system

Engine diagnostics

Engine monitoring system off, warning, denote, shutdown

Engine mounted sensors

Fuel cooled Electronic Control Module (ECM)

Programmable low idle & max rpm limit

Service tool interface

(SAE J1708/J1587)



# Caterpillar 3406ta Diesel Maintenance Manual

**Léo Pomar**



## **Caterpillar 3406ta Diesel Maintenance Manual:**

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