Kawasaki-MAN B&W
ME-GI Engine

New generation gas/oil
dual fuel 2-stroke engine
ME-Gi Engine

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Lower CO₂/NOx emission by gas fuel

ME-Gi is dual fuel 2-stroke engine. ME-Gi is able to reduce CO₂/NOx emission and minimize SOx emission by gas fuel.

Application of Diesel cycle with gas injection and pilot oil

ME-Gi has an advantage for fluctuation of engine load and no knocking by pre ignition. Methane Slip has been minimized.

1. From actual footage (colorized)
   - Yellow = pilot oil
   - Blue = gas fuel

2. Conventional slide fuel valve

3. Gas fuel valve

4. Gas distribution channel (yellow)

5. Gas distributor block

6. Gas chain link double-walled pipes

New Components for GI

Improved high reliability 2-stroke diesel engine to GI

ME-Gi has been designed based on 2-stroke diesel engine which has many records and high reliability. The easy maintenance has also been succeeded.

High performance and high reliability

Kawasaki has built a full scale test engine, 2550ME-C GI and the fuel gas supply system. Gas operation has been tested continuously. And the performance and reliability have been examined.

Based upon the experiences and customers’ confidence, we have manufactured a number of main diesel engines at Kobe works with its history of over 100 years.