

FROM ROCK TO ROAD



REGION:
China

SCOPE OF ENGINE USE:
Cat® C4.4, C7.1, C9, C9.3B,
C13 and C18

CAT® DEALER:
CEL

WEBSITE:
nflgchina.com



FEATURED TOPIC:
Industrial Engines

CHINESE CONSTRUCTION MACHINERY MANUFACTURER CHOOSES CAT® POWER AND RELIABILITY

From the late 20th Century to the present day, the rise of China's economy has been dramatic. Over the past thirty years annual growth rates have averaged 10%, seeing it grow to become one of the world's economic superpowers. And that growth has been fuelled by construction; one fascinating statistic reveals that between 2011 and 2013, China used more cement than the United States consumed during the entire 20th century¹.

Established in 1997, NFLG (the Fujian South Highway Machinery Co. Ltd) has seen its own fortunes rise in line with those of its native land. From humble beginnings it's now a major force in concrete and asphalt mixing plant as well as aggregate crushing, sieving, shaping, sand making and concrete recycling. And for its wide range of mobile crushing and screening machines it chooses the power and reliability of Cat® diesel engines.

NO BRICKS WITHOUT STRAW

In its early years, NFLG focused on building plant and equipment for the mixed products that the growing construction industry required namely dry mortar, concrete and asphalt concrete. But as the company grew, its management decided to also take control of the quality of the aggregate that mixing equipment uses. As the company website puts it, 'you can't make bricks without straw'. This insight prompted the creation of new product lines in aggregate crushing, sieving, shaping, and sand making, based on its deep expertise in the field of mixing. And that's where Cat industrial engine power comes into the story.

A STRONG RELATIONSHIP

In 2010 NFLG started to manufacture its own line of mobile crushing and screening machinery. And from the beginning, it chose Caterpillar as its engine supplier. Crushing and screening equipment often operates in dusty conditions and in remote locations, so the company needed high performance with reliability, as well as the back-up of a global service network. Cat engines satisfied all those criteria.

Today, the NFLG range of mobile crushers features ten models, with Cat engines ranging from the C9 and C9.3B through to the C13 and C18. Power outputs of its models span from 224 kW to 571 kW, giving customers a wide choice of NFLG mobile crushers for every application from mining and soft ore to cobblestones and construction waste. Meanwhile NFLG's mobile screeners comprise three models, powered by the Cat C4.4 at 85 kW and 96.5 kW and the C7.1 at 151 kW.

DEALER SUPPORT

NFLG's Cat dealer is CEL, who proved both responsive and professional in providing the performance, dimensions and 3D modelling data for the engine line-up, making the design and engineering process a smooth and cooperative one. Queries and issues inevitably came up during the design process, but NFLG reports that CEL stayed in close contact throughout, answering questions and resolving any interface issues quickly.

A GREENER FUTURE

As a future-facing company, NFLG is strongly committed to make the construction industry less carbon-intensive, for example through increasing use of recycled concrete and other recycled materials. The company also works closely with universities and research institutes in China and overseas to find new and better solutions for tomorrow's challenges and is the holder of many industrial patents. With 1,100 employees and fixed assets of over 190 million RMB, NFLG is an important manufacturer in China's thriving construction machinery industry – and its choice of preferred engine supplier speaks volumes for the global reputation for excellence of Cat diesel engines.

¹Forbes.com – China used more concrete in 3 years than the U.S. used in the entire 20th century



“For NFLG, our decision to use Cat[®] diesel engines adds a strong protection to our high-performance equipment.”

Mr. Xiao hui Jiang – Deputy director of mobile crushing and screening division, NFLG



LET'S DO THE WORK.™

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