

## TAKING PERSONAL DELIVERY OF THE FIRST UNIT OF CAT® 140K MOTOR GRADER PRODUCED AT THE CATERPILLAR® SUZHOU PLANT FOR THE SINGAPORE MARKET

The timing was perfect for Mr and Mrs Ng Cheng Poh (Kok Kiat Machinery Pte Ltd)'s visit to the Caterpillar Suzhou. Authorized Cat Dealer for Singapore, Maldives and Christmas Island-Indian Ocean, Tractors Singapore Limited's customer was able to personally take delivery of the very first unit of Cat 140K motor grader to be produced at the Suzhou plant for the Singapore market. With much fanfare, Mr and Mrs Ng were invited to cut the ribbon against the backdrop of their mint-new motor grader.



Mr and Mrs Ng Cheng Poh of Kok Kiat Machinery Pte Ltd cutting the ceremonious ribbon to symbolize taking delivery of their Cat 140K



The Ngs were presented with a commemorative plaque with the 140K scale model by Mr Ed Gove, EMD Product Manager, CSCL

Kok Kiat Machinery, one of Tractors Singapore's valued fleet owners expects this unit to arrive mid-December. The Cat 140K will join Kok Kiat Machinery's fleet of over 60 Caterpillar machines. Mr Ng has plans for this motor grader to work at the Pasir Panjang reclamation project.

The Cat 140K, a direct replacement of model 140H, optimizes investment by delivering maximum productivity and durability. The Cat C7 engine, direct-drive power shift transmission and load-sensing hydraulics work together to ensure the power and precision to get the job done – these are some of the features which contributed to Kok Kiat Machinery's decision to order this unit.

Caterpillar (Suzhou) Co., Ltd (CSCL), a 74,561 square metres on a 22.1 hectares site major investment, was established in Suzhou Industrial Park in Jiangsu Province in 2006. CSCL is an extraordinary addition to Caterpillar's global family of world-class manufacturing facilities managed by an exceptional team of experts which integrate best practices from over 80 years of Caterpillar's manufacturing experience. CSCL, 100% Caterpillar-owned, is a world-class Medium Wheel Loader (950H, 962H, 966H, 972H and 980H) and Motor Grader (12K, 120K, 140K and 160K) manufacturing facility.

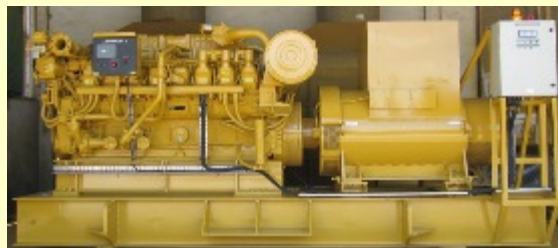
Caterpillar is committed to making the most durable and productive earthmoving equipment in the world. To validate CSCL's manufacturing quality, pilot machines would have logged nearly 15,000 field hours and testing conducted at multiple customer jobsites in China and the Middle East. CSCL's machines have received excellent feedback from customers on quality, reliability and performance. Before delivery, every machine is subject to stringent inspections and tests. This ensures that the machine received by the customer is 100 percent compliant with Caterpillar quality standards.

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## **PPL SHIPYARD DELIVERS SINOPEC'S KAN TAN 6 JACKUP RIG POWERED BY CATERPILLAR® 3516 CHD GENSETS**



Based on our vast experience and track record in serving PPL Shipyards Pte Ltd (PPL), authorized Cat® dealer for Singapore, Maldives, Christmas Island (Indian Ocean) - Tractors Singapore Limited was awarded a contract to supply generator sets to Kan Tan 6 in October 2008. The scope included five units of the reliable Cat 3516 CHD Diesel generator sets as main and one set of Cat 3508 B as its emergency unit. The attested combination has always been widely used in drilling jack-up rig application and is well-known for its robustness and minimal life cycle cost.



Cat 3516 CHD Diesel Generator, packaged by Tractors Singapore Limited to meet customer's requirements.

China Petroleum & Chemical Corporation (Sinopec Corp) is a listed company on domestic and international stock exchanges with integrated upstream, midstream and downstream operations, strong oil and petrochemical core businesses along with a complete marketing network. It is one of the largest integrated energy and chemical company in China. The scope of its business includes oil and gas exploration and production. It is China's second largest crude oil producer.

Kan Tan 6 is Sinopec Corp's first newbuild jack-up rig with PPL Shipyards, and also its first to be built outside China. The high performance jack-up rig is built, based on PPL Shipyards' proprietary Pacific Class 375 design and proprietary components. It is equipped to drill high-pressure and high-temperature wells at 30,000 feet while operating in 375 feet of water. It can accommodate 120 crew members. Mr K Y Tan, PPL's Senior General Manager advised Kan Tan 6 is one of 27 rigs that PPL has built to Pacific Class 375 design. Operating rigs of this design are currently fetching some of the industry's highest day rates.

TSL completed installation and commissioning of the gensets and PPL successfully delivered Kan Tan 6 to Sinopec in early December. It will be owned and operated by the Shanghai Offshore Petroleum Bureau, a subsidiary of Sinopec Corp.

# RELIABLE CATERPILLAR® MINI and MID SIZED HYDRAULIC EXCAVATORS AND SINGAPORE'S NEXT-GENERATION BROADBAND NETWORK

**SINGAPORE TO EXPERIENCE  
ISLAND-WIDE ALL-FIBRE ULTRA-HIGH-SPEED CONNECTIVITY!**



A pair of Cat 304 preparing the road for the pipes to be laid.

Singapore's Infocomm Development Authority (IDA)'s project under the Intelligent National 2015 (iN2015) Masterplan - the Next Generation Nationwide Broadband Network (Next Gen NBN) is Singapore's all-fibre ultra-high-speed broadband network.

This network has the capability of delivering speeds of 1 Gbps and above (or 10 times faster than current speeds) to all homes, offices and schools to provide across-the-board connectivity around Singapore. With such a network in place, Singaporeans will be able to enjoy a richer broadband experience with more choices and at more affordable prices. Businesses, large and small, will find it cheaper and easier to access ultra-high-speed broadband, and be able to use infocomm more extensively to boost productivity and competitiveness.

Authorized Cat® dealer for Singapore, Christmas Island (Indian Ocean) and Maldives – Tractors Singapore's customer – Yuan Ji Enterprises Pte Ltd (YJE) has the privilege of fulfilling part of this prestigious contract - to lay the pipelines through which these ultra-high-speed fibre-optic cables will run. YJE specializes in the construction of underground pipeline networks for electrical/power cable installation, optical fibre cables, CATV cables, telecommunication cables, water/gas pipes and associated civil engineering works.

YJE's Managing Director Mr S C Ang and Director, Mr William Long are familiar with the versatility and dependability of Cat equipment as YJE already has several other units of Cat equipment in its stable. In wanting to ensure they have the right equipment for the job, Messrs Ang and Long met up with Tractors Singapore's Sales Engineer, Samuel Sum. Cat's mini hydraulic excavator, 304CCR and mid-size hydraulic excavator - Cat 314CCR were recommended as a good combination for this project especially as space constraints had to be taken into consideration.

Messrs Ang and Long testify: *"The Cat excavators which we procured from Tractors Singapore have served us well. They are easy to operate, are low in maintenance, powerful and meet our projects' requirements. They form an integral part of our fleet of logistic equipment for our business."*

**A NEW HOLLAND AND BARBER COMBINATION**

## ENSURES THE EAST COASTLINE OF THE LION CITY STAYS PRISTINE

Reduce, Reuse and Recycle to sustain the area's ecosystems



From this.....



.....to this...with a New Holland-Barber effort

It is the early hours of the morning.....a lineup of garbage washed ashore by the ocean faces the small team of beach cleaners and their unique combination of machinery which literally "gobbles" rubbish in its way and leaves in its trail.....an almost spotless beach.

To live up to the concept of a clean and green city, the team at Ramky Cleantech works relentlessly to maintain the beaches along the East Coast Park and Changi. Sustaining kilometers of debris-cleared beaches is no child's play. It would require numerous men and countless manhours if work were to be carried out solely on brawn. Already in monsoonal season, the beaches are cleared twice a day, otherwise, it is a daily or every other day effort.



The twinned New Holland TT75 and Barber Surf Rake 400HD



Large debris are loaded into the New Holland's front end bucket for disposal

With the switch of the ignition key, the New Holland model TT75 with a front end loader attachment, hauling at its rear, a Barber Surf Rakes® model 400HD, roars into life and the small team of men and machine work together to prepare the beach as nature intended it to be....without man-made garbage...before the sun peeps over the horizon. Alan Kiu, Tractors Singapore's Sales Engineer in the Associated Equipment Department, explains this recommendation: "The versatility of the New Holland tractor with its front end loader attachment and Barber Surf Rakes make for the best arrangement where clean seashores are required. The New Holland wheeled tractor works effortlessly in undulating sandy conditions whilst the attached Surf Rakes® (a global leader in tine raking cleaning equipment)'s moderate size model is equipped with a one cubic yard hopper which will lift 2,400 pounds of debris to a dumping height of 8.5 feet. It cleans up to 5 acres an hour. For the larger waste pieces like tree trunks, boulders or other massive material, the New Holland TT75 effortlessly carries these in its front end loader attachment. The noteworthy features of this attachment are:

- Heavy duty loader
- 3-D positional valve mechanism for enhanced operator comfort

- Bucket level indicator for superior loader application
- Loader datable within 20 minutes by a single person at site
- BQRSL Mechanism: Enables exchanging of loader bucket attachments within seconds by operating a single level – no spanner required.
- Diesel consumption of only 3.5 litres
- Option of various heights dump loaders with 2.7m, 3.0m, 4.0m dump heights.”

Together with thousands of volunteers from the Raffles Museum of Biodiversity Research of the National University of Singapore who make up the International Coastal Cleanup Singapore (ICCS), the National Environment Agency (NEA), Ramky Cleantech plays its part in sustaining the natural heritage with its New Holland/Barber Surf Rake combination.

## **The China Engineers, Ltd Secures Standby Power Deal with Olympian Gas Generator Sets for Guangdong’s Natural Gas Pipe Grid Co., Ltd**

Guangdong Natural Gas Pipe Grid Co., Ltd. (NGG) is a joint-venture concept of China National Offshore Oil Corporation (CNOOC), China Petroleum & Chemical Corporation and Guangdong Yudean Group Co., Ltd. Its business is to construct and operate the natural gas pipe network, procure, market and distribute the natural gas in Guangdong province. NGG’s main obligation is to ensure the clean energy can be distributed and operated safely within Guangdong’s territory.



Guangdong Natural Gas Pipe Grid Co., Ltd (NGG)



NGG’s worksite

NGG’s first stage project for natural gas pipe network construction started on 1 st March 2010 and the whole 4-stage project will be completed before 2020. With the implementation, NGG will eventually be establishing a 3200 km natural gas pipe network spanning 21 cities. NGG will be responsible for receiving the natural gas transported from west to east, from Sichuan and other gas sources. The total investment of the whole project will amount to 46 billion RMB.

The China Engineers, Ltd (CEL) - a member of the Sime Darby Group and the authorized Cat<sup>®</sup> dealer for Hong Kong, Macau, Southern China and Xinjiang - has been authorized to provide standby power for NGG’s first stage project. The contract, inked in August 2010 is for the provision of 9 units of G100F3 (80kw) and 2 units of G125FG1 (100kw) Olympian gas generator sets. The generator sets will be delivered to NGG in March 2011.

**What are Olympian™ generators?**

The Olympian generators are part of the complete line of electric power generation products offered by Caterpillar® . It focuses on the gap of smaller packaged size with small ratings range, not addressed by the larger Cat generator sets.

The range of Olympian™ generator sets provides reliable energy solutions for every business, every need. Olympian generators can be installed as the prime power source or standby service, using diesel fuel or natural gas. They deliver dependable, clean, economical power – even in the most demanding conditions – and are available in a wide range of configurations with optional equipment.

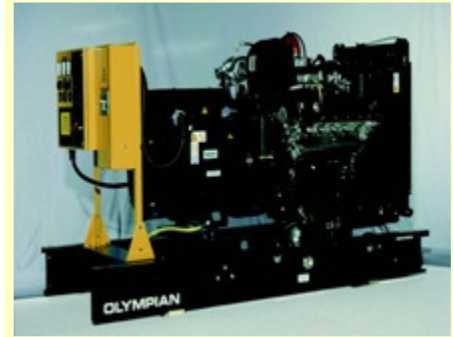
Olympian generator sets are complete, ready-to-install packages with a distinct advantage: They all come with the comprehensive service and support of authorized Cat dealer, The China Engineers, Ltd promising with prompt delivery and continue through the life of the generator set.

Olympian generator sets are designed, engineered, and manufactured for optimal performance at an ISO9001 Caterpillar facility. All major components are tested individually, then the entire unit is tested for safety and operation at (and over) 100 percent of its rated load.

With Caterpillar as its parent and enjoying the same proven after-sales support and promise of quality of its network of authorized Cat dealers, CEL knows that brand Olympian™ will make its mark as a name to consider in the not too distant future.



Olympian model G125FG1



Olympian model G100F3

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## **CAT® ACERT ENGINES C9 AND C13 POWER MOBILE JAW CRUSHER**



A completed Striker Crusher ready to be tested before delivery at its Pusing, Perak plant

Striker Crushing & Screening (Striker) is Australia's leading manufacturer of mobile jaw crushers, impact crushers, cone crusher screens and conveyors. It has offices located within Australia i.e. Sydney , Brisbane and Perth and internationally in China and Malaysia .

Since commencing their operations in Australia in1998, Striker has been developing a range of equipment targeted for operations in the mining, quarry, civil contractors, earth moving and material handling industries. Equipment marketed by Striker are available both for purchase or hire.

Striker Crushing & Screening Sdn Bhd (Striker) set up their operations in Pusing, Perak, Malaysia in year 2008. The Malaysian plant is focused mainly on the production of track-type mobile jaw crushers for local and international customers. The equipment is powered by Caterpillar® C9 and C13 ACERT engines that come standard with electronic governing and emission controls. The power-packs are designed to drive the jaw crusher via a hydraulic hydrostatic power take-off. The crushers come with an automated system that interacts with the engines' Electronic Control Unit (ECU) to continuously monitor pre-selected parameters to ensure tip-top performance and ease of operations. The crusher is also equipped with a mobile wireless controller that allows the operator to operate the equipment from remote locations.

Though the main market is within the Australasia region, Striker's equipment are delivered globally. Caterpillar's worldwide dealer network and reliable after-sales support are the main factors for Striker to use Caterpillar engines. To date, SDI PSD has delivered a total of 14 units of the C9 and 4 units of the C13 ACERT engines to Striker. SDI PSD will be delivering 17 more units of C9 and 5 more units of C13 ACERT engines in the next six months.



Cat ACERT engine model C9

Striker is happy to have SDI PSD as their preferred engine supplier. Ms. Nicole Talbot, Director of STRIKER Malaysia had this to say // *Just-in-time delivery of engines for our production and a reliable after sales support are key to STRIKER. These allow us to fulfill our commitment and value proposition to clients. SDI-PSD has been able to live up to this challenge.*

Moving forward, Striker plans to roll out more exciting products from their R&D office in Pusing, Perak to meet the demands of discerning customers. Crushers capable of recycling torn-down concrete buildings are already in production and plans are in place to move into the oil palm industry. As always, Striker can count on SDI-PSD to be at their service.

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## SNIPPETS FROM OUR PRINCIPAL, CATERPILLAR INC

### TO SIGNIFICANTLY EXPAND CUSTOMER OPTIONS FOR SUSTAINABLE POWER GENERATION SOLUTIONS, CATERPILLAR® TO BUY 3I-BACKED MWM

Caterpillar announced on 22 October 2010 that it has signed a Euro 580 million (approximately US\$810 million) agreement to acquire MWM Holding GmbH (MWM) from 3i and funds managed by 3i. Headquartered in Mannheim, Germany, MWM is a leading global supplier of highly sustainable alternative engines.

With the acquisition of MWM, Caterpillar will significantly expand customer options for sustainable power generation solutions. MWM will become part of Caterpillar's Electric Power Division (EPD) which supplies natural gas and diesel generator sets and integrated power systems involved in the generation, control and supply of electricity. EPD operates in more than 50 locations worldwide.

The integration of MWM will result in important synergies leveraging the two companies' existing product ranges, advanced engine technologies, research and development resources, manufacturing, distribution and customer support capabilities.

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### CATERPILLAR® TO BUILD NEW LARGE-ENGINE MANUFACTURING PLANT IN CHINA

Caterpillar Inc announced on 18 November 2010 that it will build a US\$300 million state-of-the-art manufacturing facility in Tianjin, China to increase its worldwide capacity for large-engine production.

Once operational in 2013, the engine facility will become Caterpillar's third global source for the company's industry leading 3500 series engines. This facility will focus on producing engines for customers in China and the Asia-Pacific region.



Cat 3500 Engine

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**FORGING A JOINT VENTURE TO DESIGN AND MANUFACTURE  
MEDIUM-AND-HEAVY- DUTY HYDRAULIC PUMPS AND MOTORS  
FOR THE CONSTRUCTION EQUIPMENT INDUSTRY**

Caterpillar® Inc announced on 18 October 2010 that it has, through Caterpillar (China) Investment Co., Ltd. (Caterpillar China), and AVIC Liyuan Hydraulics Co., Ltd. signed a joint-venture agreement to establish a company to design and manufacture medium-and heavy-duty hydraulic pumps and motors for the construction equipment industry. The joint venture will provide components for use in Cat products as well as third-party machinery and equipment.

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## Upcoming Events

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- **Tractors Singapore is participating in Sea Asia 2011 at the Marina Bay Sands from 12 to 14 April 2011!**



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