

PRESS RELEASE

TIL LAUNCHES NEW CRANES & REACH STACKER AT EXCON 2017

Bangalore 12th December 2017

TIL Limited is actively participating as an associate sponsor at Excon 2017 – South Asia's largest construction equipment exhibition. Excon is a great platform for TIL to showcase its expertise in material handling and road building solutions, developed over many decades both in-house and by way of alliances with global technology leaders.

This year TIL is launching several new products at Excon.

First off, there is MOBILOAD 315 – the latest entrant from TIL in the pick-n-carry crane segment. It has a maximum capacity of 15 MT at 2.5m radius over front for pick-n-carry operations and 8 MT at 2.5 m radius for 360° slew on-tyre duties. The Mobiload 315 features a 4 section boom with extended length reaching upto 17m. The first 3 sections are fully powered and fully synchronized and the 4th section is power-positioned. There is an optional 5m jib extension, allowing for a total boom tip height of 24m. Twin tyres on both front and rear allows for stable and strong on-rubber performance. Right hand front wheel drive and steer feature and the rigid chassis design give the machine a unique automotive feel and unmatched mobility. Continuous 360° slew is another unique feature that allows for efficient load handling. The ergonomically designed single man cabin enable the carriage of long items on the carry deck, subject to a maximum of 2 tonnes at a road speed of 15 kilometres per hour. The machine features an electronic load moment indicator to ensure safe operations. The engine is BS III CEV compliant. TIL – a market leader in India in higher capacity mobile cranes and material handling equipment – strengthens its foray into the pick-n-carry crane segment with a view to offering material handling customers a next generation pick-n-carry crane that embodies safety, easy operability, easy maintenance, application suitability and competitive total cost of ownership.

Speaking on the occasion, Pinaki Niyogy, Vice President & Chief Technology Officer, TIL, said, “The launch of Mobiload, the versatile pick–n-carry crane epitomizing productivity, superior technology and performance, is a game changing initiative by TIL in the 15 Ton mobile crane segment.” He further added, “The machine is ideal for rental, construction, mining, shipping, oil refineries, heavy industries and engineering sectors in India.”

Another product launched by TIL this Excon is RT 750 – – the latest addition to the comprehensive range of rough terrain cranes from TIL. It has a maximum capacity of 50 MT at 2.5m radius with 360° slew on outriggers and 12 MT with 360° slew on tyres. The carrier has 4x4 wheel drive and 4 wheel steer. Stand-out feature of this crane is the 5 section formed boom having an extended length of 41.3m. Maximum boom tip height of 53.3m can be reached with an optional 10.1m lattice extension. The ergonomically designed, full-vision type operator's cabin – located on the right hand side – provides fatigue free operation and excellent visibility. The engine is BS III CEV compliant. Rough terrain cranes from TIL are compact and highly maneuverable, which make them performance-worthy for rough terrains and applications.

Mr Niyogy said, “It may be recalled that TIL holds the distinction of rolling out the first indigenously manufactured rough terrain crane in India from its Kolkata factory. With RT 750, the Company makes yet another addition to its impressive line-up of products- that demonstrates the Company's manufacturing prowess.”

Another significant product introduced was the new Hyster-TIL® ReachStacker for everyday container handling applications. At the official launch event at Bangalore during Excon 2017, Hyster-Yale Group Inc. and TIL presented the new model which has been developed specifically to meet the demands of ports and other tough container handling applications in growing markets. “The new Hyster TIL® RS45 is here to set a standard in low cost of ownership. However, there is no compromise on Hyster's principles of durability and toughness,” said Rajesh Wazarkar, Managing Director, Hyster-Yale Lift Trucks India Pvt Ltd. “These trucks offer the same quality components, durability and toughness as any Hyster® Big Truck, alongside intelligent Hyster design to deliver lower fuel consumption and longer tyre life.” To optimise effectiveness, the new truck features a powerful Cummins QSL9 Stage IIIA engine/Tier 3 in combination with a Spicer off-highway TE-27 transmission. In addition to the well-tuned Cummins engine, Hyster has developed technologies such as cooling on demand, load sensing hydraulics with Variable Displacement Pump (VDP) technology, automatic throttle-up, integrated power train and optional empty seat engine shutdown, which help to further reduce total fuel consumption. The durable frame and boom have been developed using extensive analysis and testing with the RS45-31CH model giving 45 T in first row, 31T in the second row, and 15T in the third. The longer wheel base with 8% reduction in total weight results in extended tyre life.

PRESS RELEASE

Developed to be the 'work horse' of applications focused on efficient every day container handling, the truck will be available in two versions, RS 45-27 and RS45-31. In 2008, TIL forged a partnership with Hyster-Yale, a global leader in counterbalance forklift trucks and warehousing solutions to offer a comprehensive range of high-capacity forklift trucks, Empty and Laden Container Handlers and ReachStackers to its customers in India, Nepal and Bhutan. Hyster Reach Stackers manufactured at TIL are also sold by Hyster-Yale to customers in the Asia Pacific region.

Speaking on the occasion of the product launch at Excon, Mr Wazarkar said, "The Hyster-TIL partnership brings together two leading companies with complementary strategic visions and product technologies, reinforced by a shared commitment to enhance customer profitability. This unrivalled partnership has a singular objective – to meet all your material handling needs. The reach stackers are built at TIL's factory in Kharagpur, West Bengal, India as per Hyster design and stringent quality standards in line with those produced at Hyster's Nijmegen plant in the Netherlands. With confidence in the quality of TIL-built ReachStackers, we are happy to put the Hyster logo on these products."

On behalf of TIL, Mr Niyogy added, "The new RS 45 will not only be 'Made in India' but also partly developed in India. The local manufacturing by TIL provides distinct competitive advantages to its customers – by reducing delivery lead times and improving total cost of ownership. In addition, customers are also able to access door step aftermarket support through a pan-Indian distribution network. The Hyster-TIL ReachStacker has already become a preferred choice for customers in India and already gained significant market share in the ReachStacker market in India within a short span of time."

India has a growing market for port and container handling equipment. With increasing containerization in India, development of dedicated logistics parks for handling containerized cargo and the growing thrust on developing container terminals along the east and west coasts of India, it is expected that significant new opportunities will open up for container handling equipment.

Besides these, TIL has displayed 2 other truck cranes at their stall – OD4, Outdoor Area, viz.

- **Hydraulic Truck Crane – TMS 860**
- **Hydraulic Truck Crane – TMS 880M**

Also on display at the TIL stall is a **range of crushing & screening solutions** that the Company offers in alliance with its strategic technology partner, Astec Aggregate & Mining Group – a part of Astec Industries Inc., USA, and scale-models of a **range of hot mix asphalt plants**, which TIL designs, manufactures and markets, once again in alliance with technology partner, Astec Inc., viz.

- **Track Mounted Jaw Crusher – FT 2650**
- **Vertical Shaft Impactor – 2500 EV**
- **Hydra-Jaw Crusher – H 3244**
- **Cone Crusher – K 300+**
- **Double Barrel Hot Mix Asphalt Plant** (scale model)
- **Voyager Portable Asphalt Plant** (scale model)
- **Nomad Portable Hot Mix Asphalt Facility** (scale model)

The Astec Aggregate & Mining Group – comprising of TelSmith Inc., Kolberg Pioneer Johnson Crushers International (KPI-JCI), Astec Mobile Screens, and Osborn Engineered Products and Breaker Technology – provides innovative solutions for the material handling, mining, quarrying, construction, demolition, and recycling industries. Their superior understanding of the needs of the industry, coupled with the manufacturing prowess and country-wide distribution network of TIL, results in the design, manufacture and marketing of a complete range of world-class crushing, screening and washing equipment road building, mining and quarry operations in India. In alliance with Astec Inc., USA, TIL offers the globally successful range of hot mix asphalt plants and equipment to customers in India – using Reclaimed Asphalt Pavement (RAP) and producing Warm Mix Asphalt – from its Kharagpur Works in West Bengal.

PRESS RELEASE

About TIL:

Partnering India's Infrastructure growth since 1944, TIL Limited is one of the leading providers of a wide range of infrastructure equipment that represent some of the finest in global technology.

The Company is engaged in the design, manufacture and marketing of a comprehensive range of material handling, lifting, port equipment and road building solutions for the Indian market, duly supported by an integrated after-sales support that is geared to enhancing customer satisfaction. With a pan-India network of branch offices and recognized as a market leader in Mobile Cranes and ReachStackers, TIL is a name that is synonymous with reliability, productivity and efficiency.

Headquartered in Kolkata, TIL has regional offices at Kolkata, Delhi, Mumbai and Chennai, with a network of branches and area offices across India. The Company has two factories in Eastern India – a fully integrated plant at Kolkata that is the only purpose-built mobile crane-manufacturing facility in India, certified under national and international standards, and a state-of-the-art ERP-enabled factory at Kharagpur.

TIL's products include – an extensive range of mobile cranes (industrial cranes, truck mounted cranes, rough terrain cranes, all terrain cranes), lattice boom crawler cranes, rubber-tyre gantry cranes, reach stackers, container handlers, forklifts, hot mix asphalt plants, crushing & screening solutions.

TIL's global technology partners include: Grove Worldwide of USA, Manitowoc Crane Group of USA, PACECO Corp of USA, NACCO Materials Handling Group Inc. (NMHG) – a part of NACCO Industries Inc., USA – for the Hyster-TIL range of products, and Astec Industries of USA.

About Hyster-Yale Group, Inc.

Hyster-Yale Group, Inc., designs, engineers, manufactures, sells and services a comprehensive line of lift trucks and aftermarket parts marketed globally primarily under the Hyster® and Yale® brand names. Subsidiaries of Hyster-Yale Group include Nuvera Fuel Cells, LLC, an alternative-power technology company focused on fuel-cell stacks and related systems, on-site hydrogen production and dispensing systems, and Bolzoni S.p.A., a leading worldwide producer of attachments, forks and lift tables under the Bolzoni Auramo and Meyer brand names. Hyster-Yale Group, Inc. is a wholly owned subsidiary of Hyster-Yale Materials Handling, Inc. (NYSE:HY). Hyster-Yale Materials Handling, Inc. and its subsidiaries, headquartered in Cleveland, Ohio, employ approximately 6,700 people worldwide.