

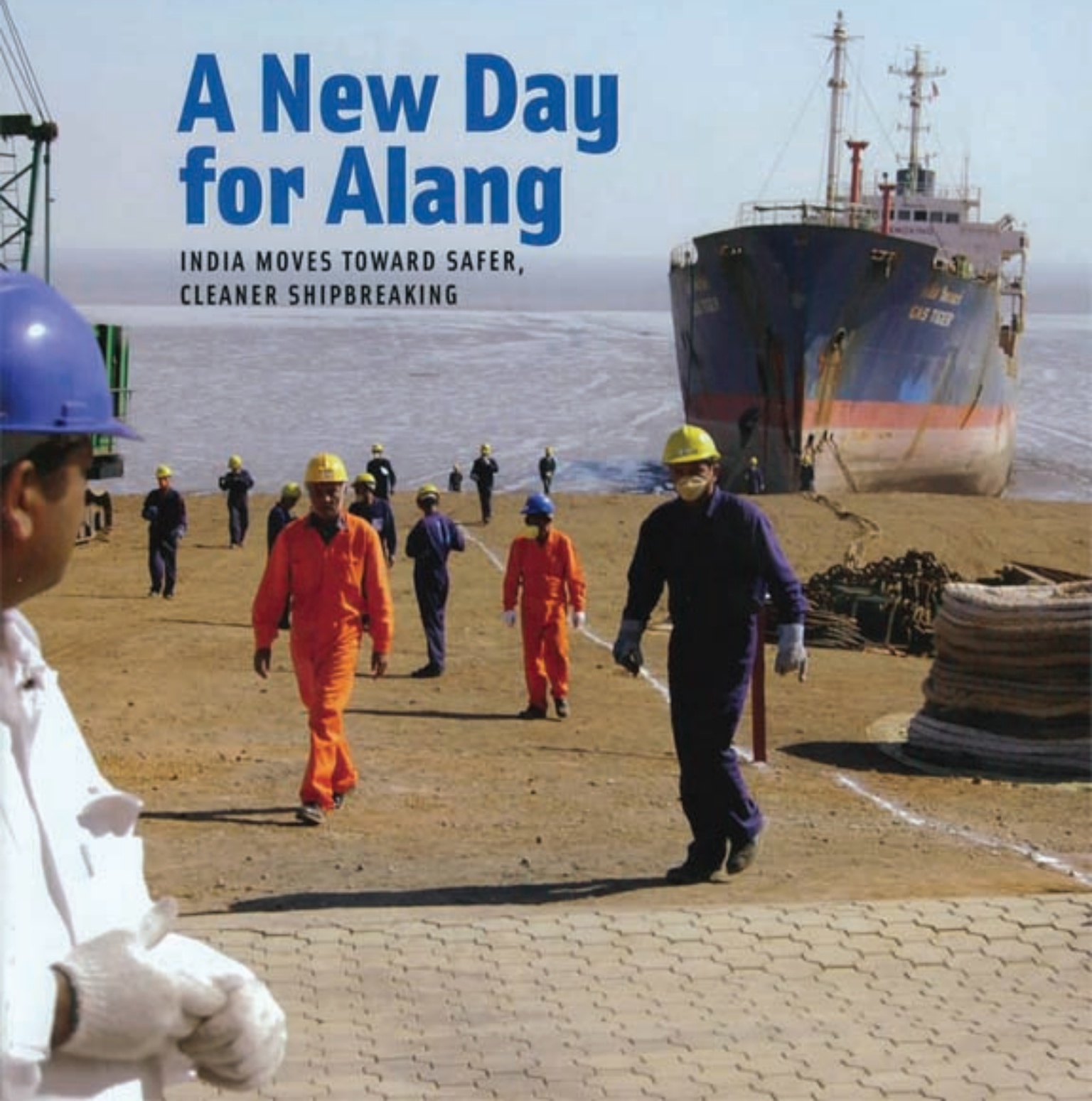
MAY/JUNE 2008

Scrap

2007 MARKET WRAP-UP
UNDERSTANDING EXPORT CONTROLS
CHINA'S DOMESTIC E-RECYCLING
EQUIPMENT FOCUS: MAGNET CONTROLLERS
ISRI CONVENTION HIGHLIGHTS

A New Day for Alang

INDIA MOVES TOWARD SAFER,
CLEANER SHIPBREAKING



- load-holding valves on the boom and stick cylinders to prevent loads from dropping in the event of a hydraulic system failure;
- chromium-plated piping on all hydraulic hoses on the boom and stick to prevent hose damage during operation in harsh environments;
- integrated foldout service steps that offer quick and safe access to each machine's service deck, where employees can easily maintain the engine and central lubrication system; and
- large panoramic cab windows and a multifunction color display that enables the operator to easily monitor essential operating data.

The three handlers can accommodate a variety of attachments, including orange-peel grapples, clamshell buckets, and lifting magnets.

Call 662/393-1204 or visit www.terex.com.

crushing, granulating, shredding, and conveying. The solid-state controller begins with soft-start functionality, which brings the motor up to full speed gradually to reduce in-rush current and relieve mechanical stress on the machine. Once the motor is up and running, the controller monitors the energy requirements using the company's patented **E-Save Technology**, which uses a microprocessor and circuitry to track the voltage and current entering the motor and instantly provides the exact amount of energy the motor needs, reducing unnecessary energy use, the firm says. As a result, the motor maintains its rated speed and torque under variable loads while consuming less energy—up to 40 percent less, depending on the load and operation of the machine, the company says.

The Motor Efficiency Controller is designed for out-of-the-box installation

HYDRAULIC MAGNET HOUSES ITS OWN GENERATOR

The new line of **TMAG hydraulic-powered magnets** from **Muscle-Mate**, a brand of **Tramac Corp.**, fits any carrier with an available hydraulic source. In contrast to other electromagnets, each TMAG unit houses its generator within the magnet's assembly, requiring no additional plumbing. Operators can control the magnet with a foot pedal or breaker button, cutting hydraulic flow to the unit to stop its magnetic functions.

TMAG magnets, which mount using a chain or bracket, come in four sizes, from 770 to 6,600 pounds, with flow ranges from 4 to 12 gallons a minute. Lifting capacities vary based on the carrier's specifications. The magnets have built-in features that protect against overheating and excessive flow, and their sturdy housing shields their internal mechanisms.



Call 800/526-3837 or visit www.muscle-mate.com.

CONTROLLER IMPROVES EFFICIENCY OF ELECTRIC MOTORS

The **Motor Efficiency Controller** from **Power Efficiency Corp.** is designed to optimize the efficiency of three-phase AC electric motors in such applications as

COMPANY ASSESSES EXPORT TAX BENEFITS

FortisTCS, a specialty tax consulting firm, offers services to help scrap recyclers take advantage of tax benefits for companies that export, directly or indirectly, from the United States. According to the company, only 1 percent of qualified scrap companies that export are taking advantage of the available U.S. export tax benefits, which essentially means they're overpaying their taxes.

FortisTCS offers scrap companies a free feasibility analysis to determine their potential export tax benefits. The company estimates each customer's tax overpayment in the past three or four years as well as how much tax savings the customer can realize for all qualified exports in the future.

"Most scrap companies are astounded by the potential tax refunds for prior years and the substantial tax savings for current and projected exports," says Harold Graham, director of the company's scrap and recycling division. "Many firms are seeing tax refunds and savings of six to seven figures annually."

Contact 917/861-1835 or harold.graham@fortistcs.com, or visit www.fortistcs.net.

and operation, and users can configure it to fit different applications, the firm says.

Call 800/975-9111 or visit www.powerefficiency.com.

WHEEL LOADER OFFERS MORE POWER AND OPERATOR COMFORT

The **1221E wheel loader** is the latest addition to **Case Construction Equipment's E** series line. The 65,600-pound unit comes with an electronic, six-cylinder,

Tier III-certified engine with 320 net hp at maximum performance and a standard payload capacity of 7.6 cubic yards. The loader has limited-slip axles on the front and rear that ensure traction by automatically transferring power from the wheel that's slipping to the wheel that's gripping. Also, the unit's outboard planetary and wet-disc brakes place weight outside the machine frame to promote stability.