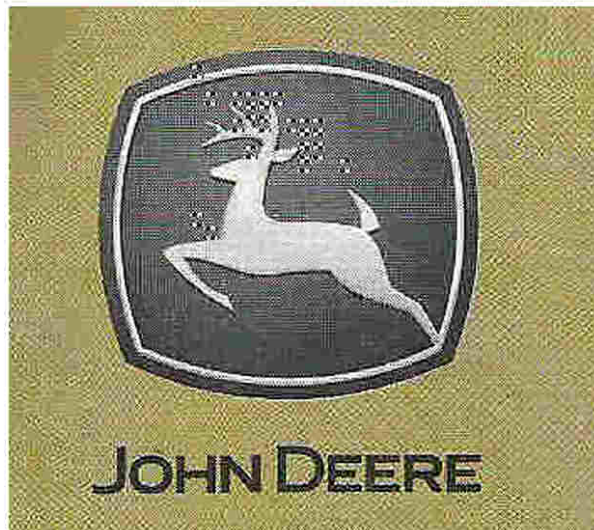
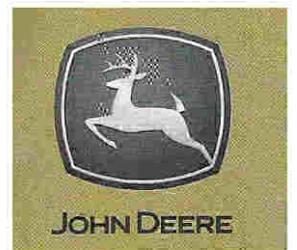


PowerSource



PowerSource



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POWERSOURCE

A publication of John Deere Power Systems

Winter 2016

BALERS WITH BRAWN

PRODUCE SMALL SQUARES FAST WITH
A FREEMAN SELF-PROPELLED BALER

PAGE 14



**A FRUITFUL HARVEST
FOR COE ORCHARD**

PAGE 8

**ORCHARD FANS
FEND OFF FROST**

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**CEFCO STORES ARE AN
OASIS OF LIGHT DURING
POWER OUTAGES**

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ON THE COVER

Allied Systems' Freeman self-propelled baler produces small square bales near Meeker, Colorado.

POWERSOURCE

COVER STORY

- 14 Large commercial hay producers will bale small square bales fast and efficiently with Allied Systems' new Freeman self-propelled baler. The baler features several John Deere-manufactured components, including a John Deere Sound-Gard cab and a John Deere PowerTech™ E 4.5L engine that powers the hydraulic functions through a Funk pump drive.

12 Sept 2017



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- 18 Stateline Power builds custom emergency standby generator sets without the long wait
- 20 CEFCO convenience stores serve as a valuable community resource when power grids fail
- 21 AEM makes mobile generator set rentals more affordable



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- 4 Prall-Tec makes a big impact with its first mobile tracked rock crusher
- 6 Hagoth Industries introduces a new multi-crop harvester for vegetables



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- 10 The Progressive Ag LectroBlast orchard sprayer covers tree canopies completely
- 12 Fend off frost with New Zealand's FrostBoss fan
- 13 Drought-stricken Ukrainian farmers turn to Kherson irrigation systems
- 14 Bale forage fast and efficiently with Allied Systems' Freeman self-propelled baler
- 15 Italy's Corima develops a popular way to pick processing tomatoes
- 16 Aerate soil and shred crop residue in triple the time with the Salgro 8500 rotovator



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FOUR-IN-ONE INNOVATION

**DIVERTO'S DIVERSE
ONE-MACHINE FLEET**

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**KOHLER'S NEW
GENERATION OF
GENERATOR
SET POWER**

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**CALIFORNIA'S
KIWI KING
GROWS GREEN**

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**VERMEER
MASTERS MUD
RECYCLING**

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ON THE COVER

The Diverto QS100 offers an all-season, four-function solution in one machine powered by a PowerTech™ PWX 4.5L engine.

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COVER STORY

- 14 Diverto loads up versatility with its award-winning QS100. It's a combination of a tractor, excavator, loader, and boom mower. Its diversity and ease of use is further enhanced by a 360-degree platform rotation and its ability to operate some 200 attachments. The QS100 delivers plenty of power thanks to the PowerTech PWX 4.5L Interim Tier 4/Stage III B engine, which offers ample torque for tough jobs.



GEN-SET POWER

- 3 Clarke Power Generation rolls out a new line of mobile generator sets
- 4 Kohler flips on the switch to the next phase of emissions
- 6 Pro Energy teams with Frontier Power Products to create robust rental generator sets
- 8 John Deere expands its generator drive engines for the prime power market



IRRIGATION POWER

- 10 Pivot Irrigation and Pumps delivers water efficiency to drought-stricken farmers in Australia
- 12 Sun Pacific grows "Mighties," and this kiwi king reigns the land with John Deere irrigation power



NEW PRODUCTS

- 16 Combilift flexes its muscles with a new straddle carrier designed for companies large and small
- 18 KAISER's new rail excavator helps maintenance crews stay on track



RECYCLING

- 19 The Terex Ecotec mobile drum screen breaks down abrasive waste
- 20 Pezzolato's drum-style wood chipper creates quality chips for the biomass energy
- 21 Vermeer masters mud recycling with the new R400r reclaimers



SERVICE AND SUPPORT

- 22 John Deere engine oils offer maximum protection at an optimum price

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Fall 2015

**CRUSHERS
THAT ROCK
WITH
JOHN DEERE
POWER**

PAGE 3

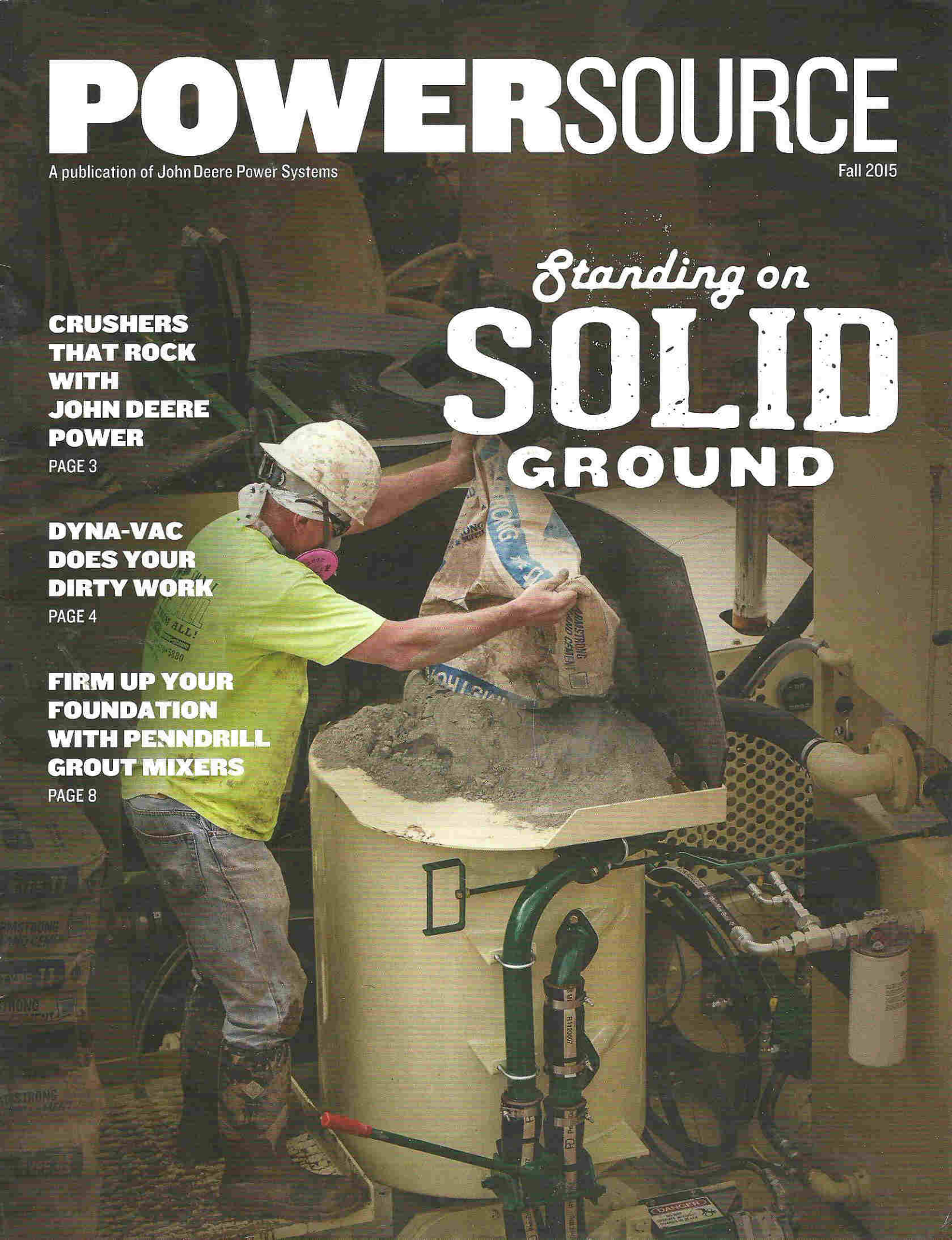
**DYNA-VAC
DOES YOUR
DIRTY WORK**

PAGE 4

**FIRM UP YOUR
FOUNDATION
WITH PENNDRILL
GROUT MIXERS**

PAGE 8

Standing on
**SOLID
GROUND**



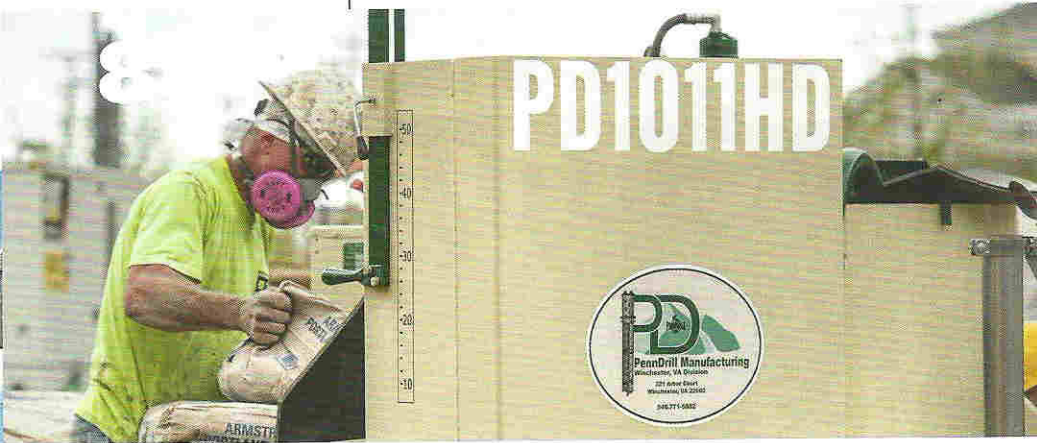
ON THE COVER

The John Deere engine powers the mixing mill and a progressive cavity pump that delivers grout at a rate of 144 liters/minute at 17 bar (38 gallons per minute at 240 pounds per square inch).

POWERSOURCE

COVER STORY

8 A PennDrill PD 1011HD grout plant mixes 2,480 bags of Portland cement at a construction site in Pittsburgh, Pennsylvania. Amelie Construction of Saxonburg, Pennsylvania, installed 68 micro-piles and 52 rock anchors before pouring the foundation for a new apartment complex. "The new PD 1011HD with the new John Deere Final Tier 4 engine did not disappoint," says Logan Hamilton, project manager. "The power and performance we have come to know from the PD 1011HD was evident with this new engine. The unparalleled performance and reliability is second to none."



DURABILITY IN HARSH CONDITIONS

- 3 Why Alaska's largest producer of riprap specifies CEC equipment with John Deere engines
- 4 Dyna-Vac does the dirty work at a New York City wastewater treatment plant
- 6 RapidFire & Rescue fights fires and floods with heli-portable John Deere-powered pumping units



NEW PRODUCTS

- 10 Midland Machinery introduces a new foldable road widener that's easy to transport and meets Final Tier 4 compliance
- 12 Multitek flameless heaters offer a safe way to warm up your worksite



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- 14 A repowered crane gets a new lease on life at a San Diego boatyard



SERVICE

- 15 How routine engine inspections improve equipment performance and uptime
- 16 John Deere engine distributors move, expand, and announce retirements



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Summer 2015

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HEAT FRACK WATER FAST

PAGE 4

TWISTERS TOUCH DOWN AND CLEAN CITY STREETS

PAGE 10

CONNOISSEURS OF CONCRETE

MAGNUM CREWS
ARE MASTERS AT
WELL CEMENTING

PAGE 6



ON THE COVER

Magnum Cementing Services operates a fleet of pump trucks dedicated to primary and remedial cementing.

POWERSOURCE

COVER STORY

6 When it's time to cement an oil or gas well, you need a company with the expertise, equipment, and willingness to do the job right. That's why more and more oil and gas companies in western Canada call on Magnum Cementing Services to perform the work. The Strathmore, Alberta-based company operates a fleet of John Deere-powered pump trucks that are ready to roll onto the jobsite and start pumping a custom cement blend wherever and whenever you need it.



OIL AND GAS FRACKING

- 3 Breathe easy: RoboVent collectors capture and contain hazardous airborne dust
- 4 Heat up frack water fast and efficiently with an Astro Thermal Tec heater



NEW PRODUCTS

- 10 Watch out! Schwarze A8 Twisters are forecasted to hit city streets
- 12 Newark Liberty International Airport runs a well-maintained monorail thanks to KT-Grant
- 14 Manitex Liftingtek enters the agriculture market with a John Deere-powered forklift truck
- 16 Custom Fire Apparatus fights the hottest flames with foam



AGRICULTURE

- 8 An award-winning Missouri farm grows green in more ways than one



SERVICE

- 17 Good reasons to register your John Deere engine
- 18 John Deere engine distributors upgrade facilities for Final Tier 4 engines



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A publication of John Deere Power Systems

Spring 2015

SWEEPERS WITH SWAGGER

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XYLEM GROWS GREEN WITH GODWIN PUMPS

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HURRICANES CLEAR THE AIR

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PAGE 16

**CLIMB AND CRUSH
WITH THE RM 8060!**



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Seal up silage quality and profits with Budissa Bag	6
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Granville harvesters put a satisfying end to hard hand labor	9

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Olive harvesters move through a grove in Australia during Maqtec's harvest campaign. The harvesters are ideal for modern orchards that grow olives for olive oil. The John Deere-powered, self-propelled harvesters collect, clean, and convey the fruit into bins so that the crop never touches the ground. This efficiency has made the harvesters popular. Today, they harvest 70 percent of trees in Australia and 50 percent of the tress in Argentina. Maqtec is also modifying the machine to harvest table olives and lemons. 10

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Reliable ground power for military aircraft

SDMO supplies emergency electricity to power plants

Walinga moves mountains of grain fast

Maqtec improves olive harvesting



ON THE COVER

The high-capacity RM 80GO! crushes rock on the moraine-covered Fee Glacier in ski resort area Saas-Fee, Switzerland.

Photo courtesy and copyright of RUBBLE MASTER HMH GmbH.

POWERSOURCE

COVER STORY

16 High altitude jobs are no problem for the RM 80GO! impact crusher built by RUBBLE MASTER. While working at a ski resort in Switzerland, the RM 80GO! took to the slopes climbing 30 percent grades before taking on the task of turning glacial rock into high-quality, cube-shaped aggregate. At the heart of its mountaineering spirit is a fuel-miserly PowerTech PVX 6.8L engine with the endurance to make a 3,000-meter (9,842-foot) climb and the muscle to crush 160 tons of rock per hour.



PERFORMANCE

- 3** Fraste goes to great depths to extract quality soil samples
- 4** An ODB leaf vacuum helps a city turn fall leaves into valuable mulch
- 6** ASCOM takes the stress out of lifting boats
- 7** TM Bohrtechnik drill customizes drills to create the perfect hole
- 8** Global Environmental Products puts a new spin on street cleaning
- 10** CarpetBeater offers a more affordable way to maintain artificial turf



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- 14** Hipower Systems forges ahead with Final Tier 4 compliance

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- 18** Industrial Vacuum creates a Hurricane that clears the air of hazardous dust



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- 20** John Deere engine distributors make the difference
- 22** Why you should be picky when purchasing engine parts



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A publication of John Deere Power Systems

Vol. 2, 2014

The seismic search for offshore oil

Axles built for underground mining

Military-grade pumping units run on jet fuel

Porsche-designed ski lifts offer a luxurious ride




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RBT mobile conveyors help supply the demand for frack sand 3

Locate pipelines quickly and safely with Vacmaster air-vacuum excavators 4

Premier Pump and Power offers a new, safe source of heat for drilling camps 6

COVER STORY

Stark Industries of Houston, Texas, specializes in the manufacture of seismic compressors used in the hunt for offshore oil and gas. Mounted on a ship or boat, a John Deere-powered compressor supplies high-pressure air to guns that send sound-wave pulses deep into the water. Onboard receivers record the sound waves that bounce off subsurface formations at distances as far as 15 kilometers (10 miles) deep. 8

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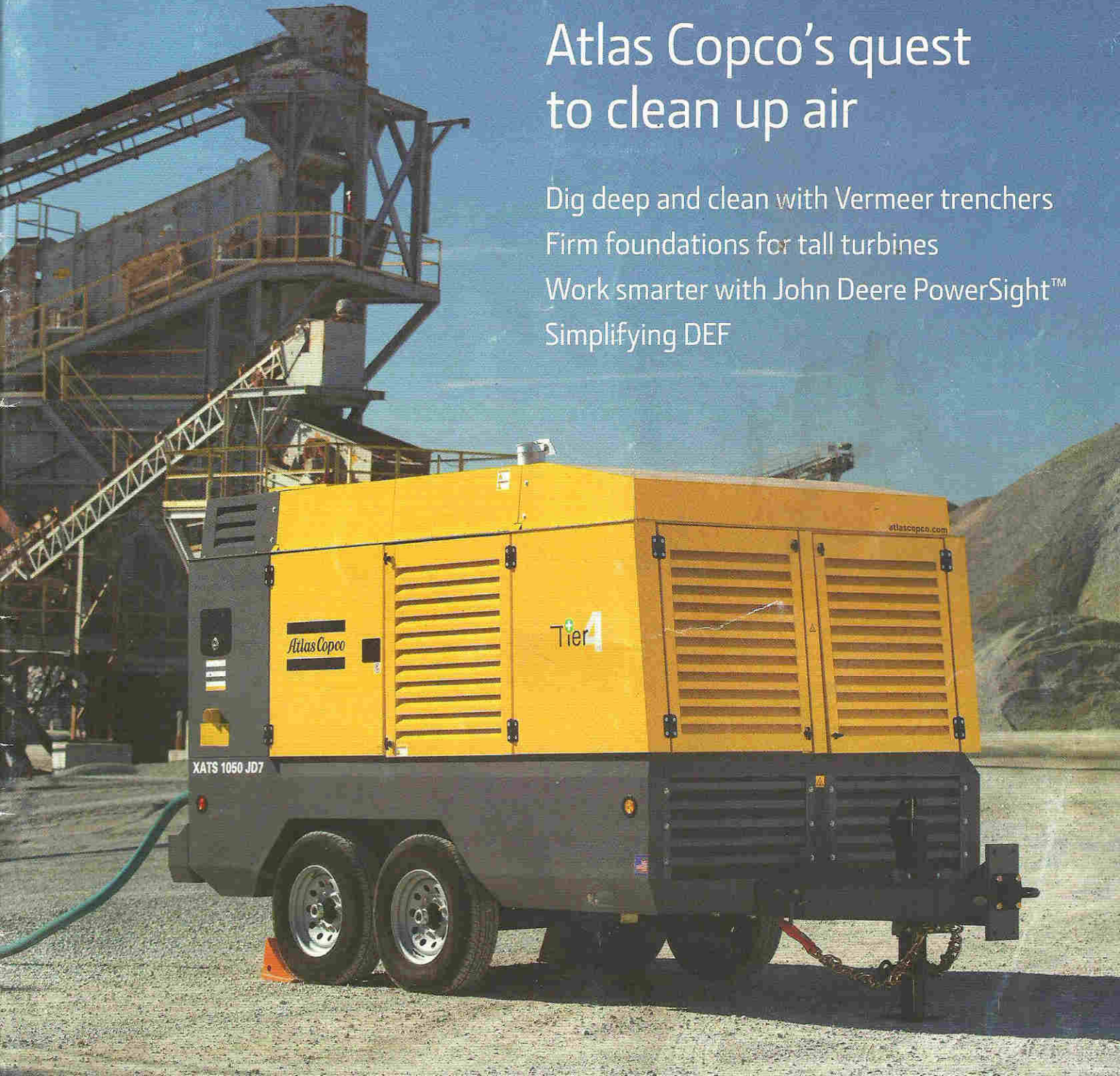
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A publication of John Deere Power Systems

Vol. 1, 2014

Atlas Copco's quest to clean up air

Dig deep and clean with Vermeer trenchers
Firm foundations for tall turbines
Work smarter with John Deere PowerSight™
Simplifying DEF




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 Get on the right track with railway maintenance with the Donelli loader/excavator 7

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PowerSource

A publication of John Deere Power Systems

Vol. 3, 2013

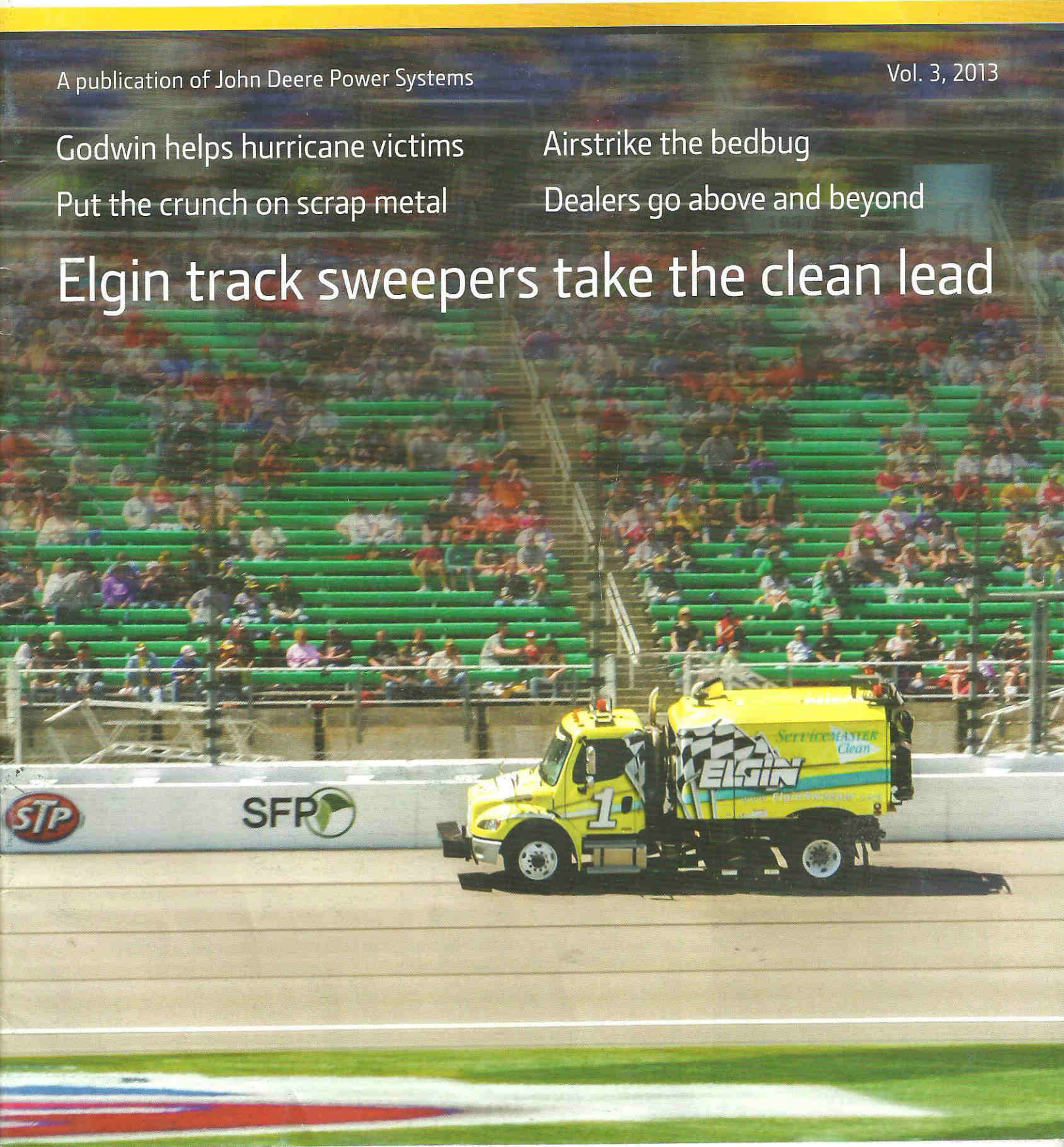
Godwin helps hurricane victims

Airstrike the bedbug

Put the crunch on scrap metal

Dealers go above and beyond

Elgin track sweepers take the clean lead





JOHN DEERE



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NEW PRODUCTS

- Temp-Air portable heaters put a lethal air strike on nasty bedbugs ... 3
- Kelvin International's nitrogen generators fill submarines for the U.S. Navy 4
- SB Manufacturing's nimble broom is a road crew's dream 5

COVER

Elgin Crosswind Specialty Track Sweeper takes an early lead on race day to ensure the track is clean, dry, and safe for speeding stock cars. The new sweeper sports a PowerTech PWX 4.5L engine that drives a high-capacity blower that removes moisture from the pores of the track surface. This dramatically accelerates track drying time, reducing race delays. 6

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- The RIMO shear baler is one scrap metal beast 10
- Greentec wood chippers are simply a smart way to process trees .. 11
- Extinguish fires for years to come with quality-built John Deere-powered Prime Pumps 12
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A publication of John Deere Power Systems — Marine Edition

Vol. 2, 2013

Get a high-throttle thrill in Florida

Repowered *Cap Coz* pursues pink clam

JDPS expands its Tier 3 engine lineup

Towboats that push with Tier 3 engines

Qualified technicians offer quality engine service





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Four John Deere engines quietly power the elegant French cruiser *Zohar* 4

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Croatia's NCP Refit builds a fleet of catamarans for Norwegian fish farms 8

An Alaska gillnetter opts for John Deere-powered jet propulsion for his new boat 10

George Dow hauls in lobster with one of the first Tier 3 marine engines 11

Cap Coz searches for pink clams off of France's Brittany coast 12

COVER STORY

Get up to speed on the new *Sea Blaster*. Built by Bonner Boats in Wetumpka, Alabama, this go-fast vessel gets the adrenaline pumping as it gallops across the water with a lot of John Deere horsepower. We're talking twin PowerTech 6135AFM marine engines rated at 485 kW (650 hp). We'll also introduce you to a one-of-a-kind Hydro Jet. Powered by a 373 kW (500 hp) PowerTech 6090SFM engine, it can be best described as a personal watercraft (PWC) on steroids. Check it out for yourself in this issue's cover story, and hold on tight! 14

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A publication of John Deere Power Systems

Vol. 2, 2013

Sanjel services
the oil and gas
industry with
John Deere
power

Excavators that
know no boundaries

Hipower gen-sets
rule the oilfields

Move frack iron, sand,
and water faster
than ever

A horizontal drill that
takes on the tough jobs





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Editor: Christine McClintic
European Contributing Editor: Hester Regoort

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A publication of John Deere Power Systems

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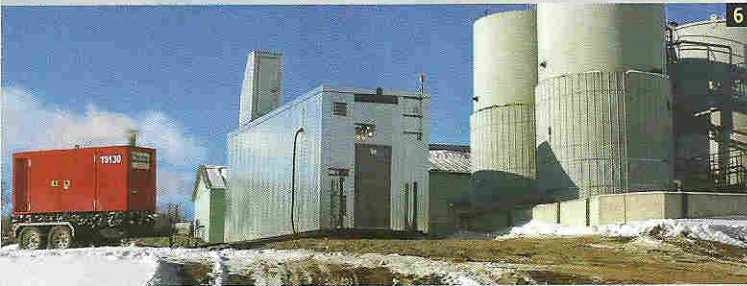
The Manitou
MLT 840 shows
strong work ethic
on the farm

Business is nuts for Coe Orchard
Atlas Copco clears the air about
Interim Tier 4

Clarke enters the gen-set market
Feel the magnetic pull of the
LectroBlast



JOHN DEERE



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Blue Star gen-sets shine in the Vermeer reclaimer



Explore remote
regions with
heli-portable drills

Airline passengers keep
cool on the ground

A meltdown that's
good for you



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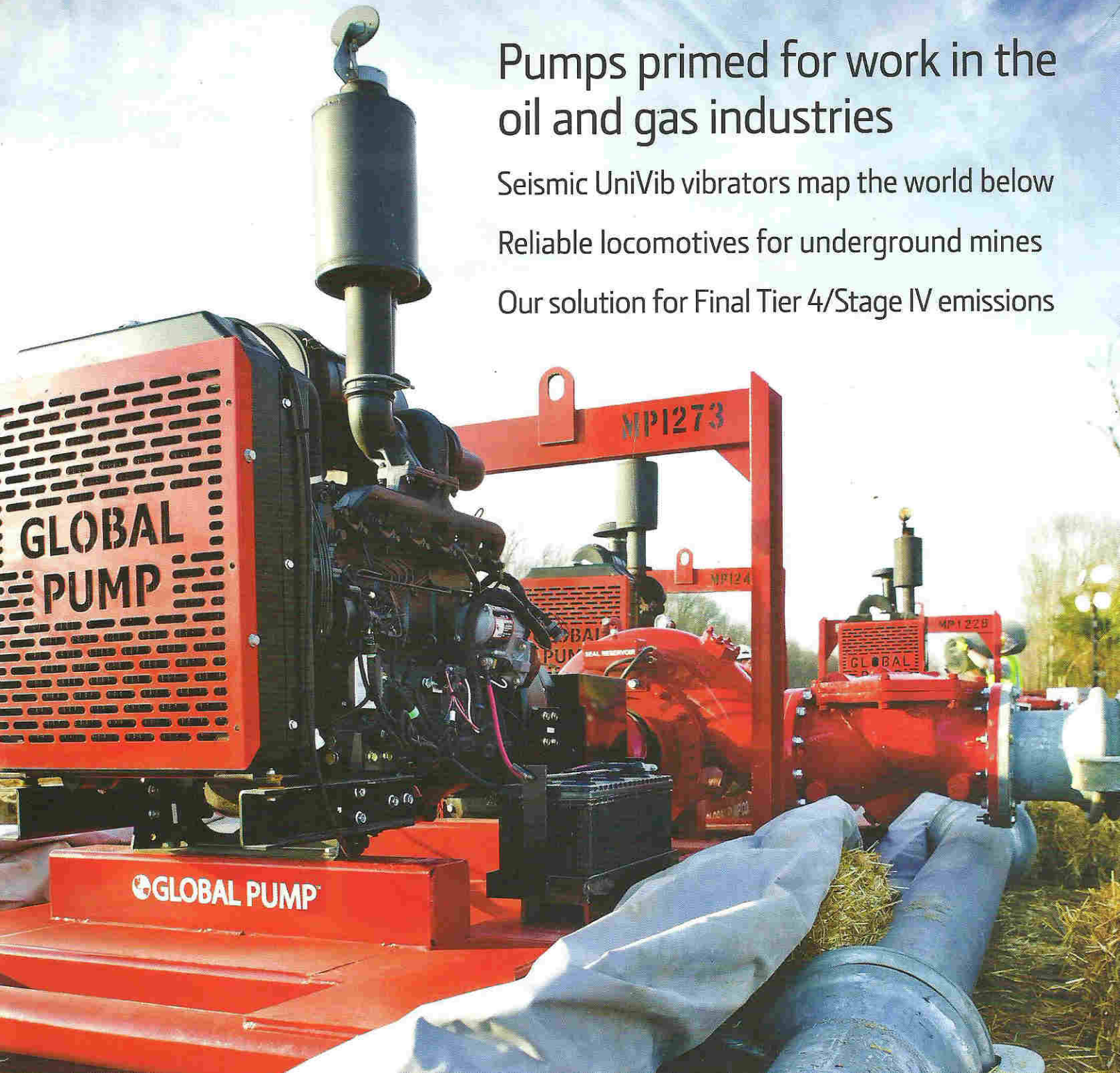
Vol. 2, 2012

Pumps primed for work in the
oil and gas industries

Seismic UniVib vibrators map the world below

Reliable locomotives for underground mines

Our solution for Final Tier 4/Stage IV emissions





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A publication of John Deere Power Systems

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CTM harvests tomatoes around the globe

On the runway with
John Deere jet fuel
engines

Gen-sets grow greener

Fast and stylish feed mixers

Powerful pepper pickers



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Vermeer
digs the new
PowerTech PVX
6068H engine

Compressors that comply
with IT4/Stage III B emissions

Geothermal drills tap into
John Deere power



JOHN DEERE



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Introducing X3 Energy's go-anywhere power unit

Strautmann feed mixers make milk cows moo




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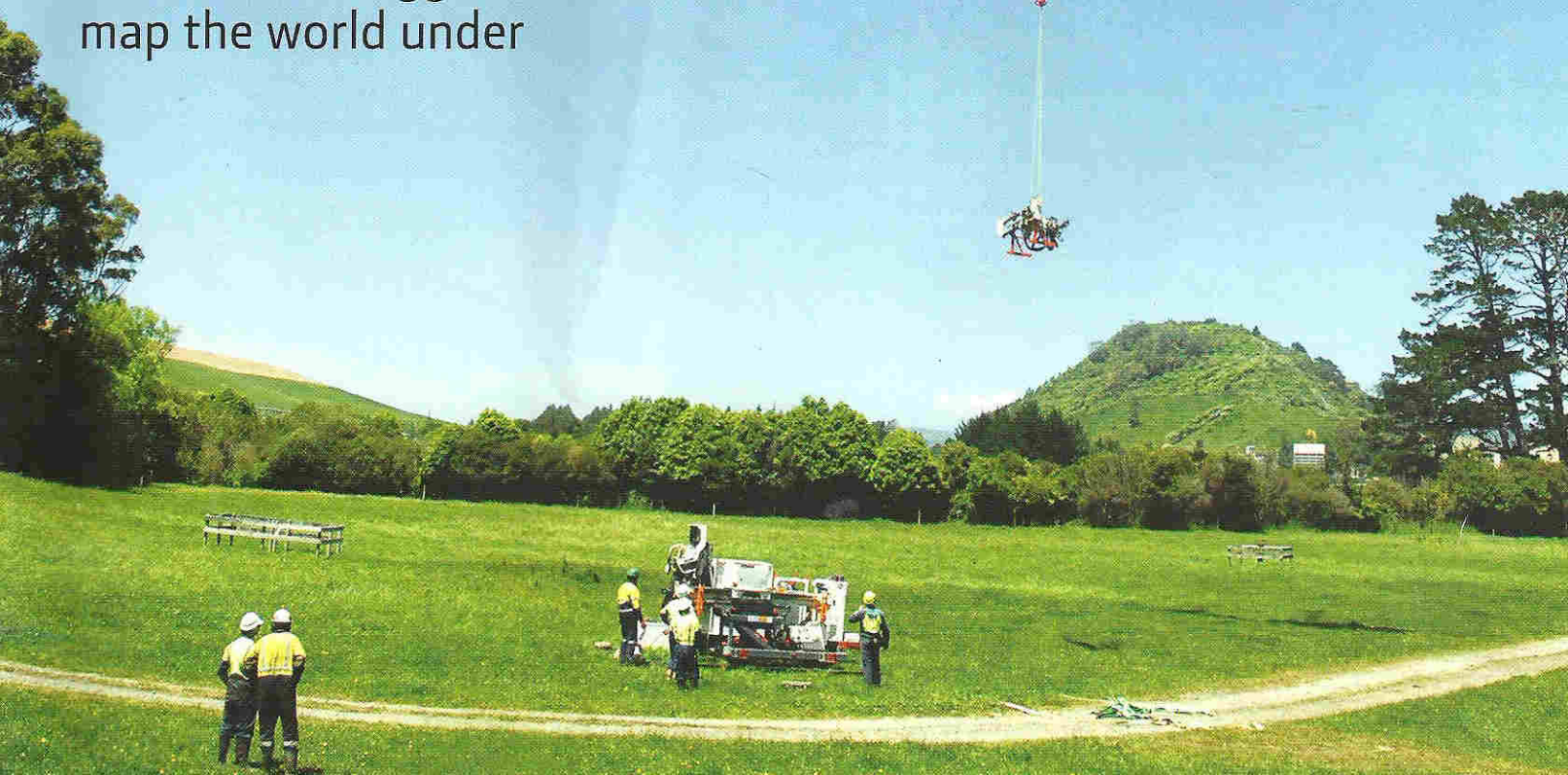
A publication of John Deere Power Systems

Vol. 2, 2010

Get remote with heli-portable drilling equipment

John Deere's new
Interim Tier 4/
Stage III B engines

Seismic minibuggies
map the world under





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Dehondt
supports the
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future of flax

Harvesters that extend
the life of your lettuce

Baldor packs more power
into mobile gen-sets





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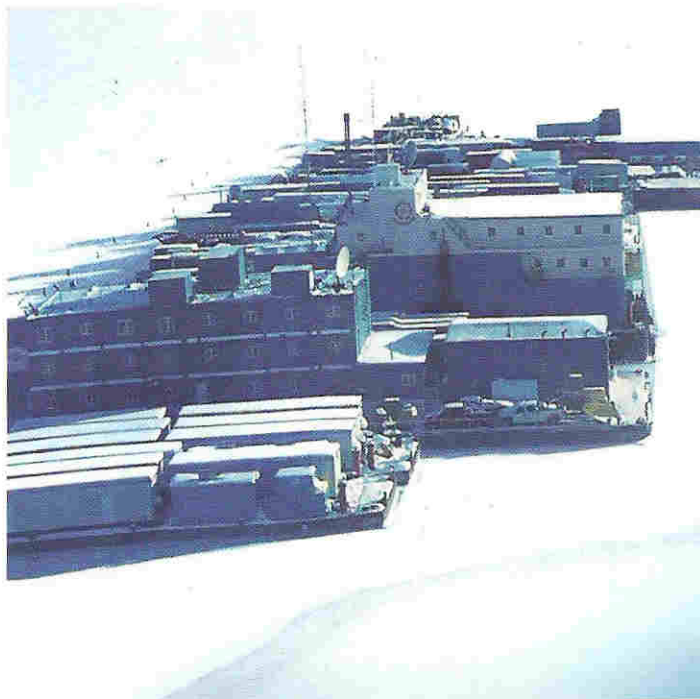


**Reliable power
for remote
oilrig camps**

**Pile drivers that
build safety into
offshore rigs**



A better way to wireline



Reliability

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JOHN DEERE

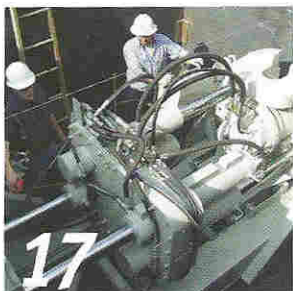
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**Drilling deep
with John Deere**



Go-anywhere excavators

**Somero creates smooth
concrete surfaces**

HIGHWAY



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Durability in Harsh Conditions

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- 9 Highway Manufacturing digs deep into the benefits of John Deere to bring the construction industry some of the most powerful mechanical and hydraulic-driven diggers and drills on the market today. The Hopkins, Minnesota, company derives its digging power using high-torque John Deere engines and making use of the deep reductions of Funk Powershift transmissions. A recent result is the company's new FD series foundation, delivering 82,716 Newton-meters (61,000 ft-lb) of rotary torque in a compact package.



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A Publication of John Deere Power Systems

VOL. 4, 2008

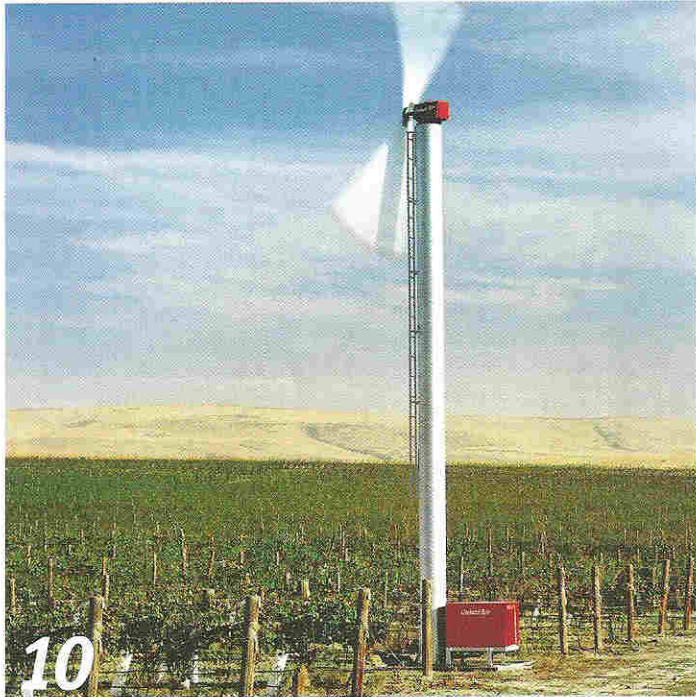
Orchard-Rite wind machines take the bite out of frost



Bringing water to arid lands

Far-reaching mowers and tree trimmers





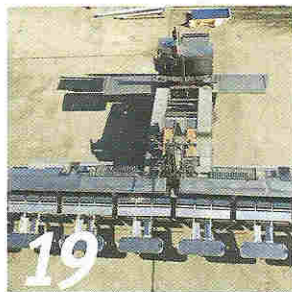
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Waterloo, IA 50704-5100
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Editor: Christine McClintic
European Contributing Editor:
Hester Regoort

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Durability in Harsh Conditions

- 3 Diamond Products provides the truck, tools, and gen-sets for concrete cutting
- 4 C.G.M. gen-sets make telecommunications possible in the Arabian Desert
- 5 Quenching thirst in arid lands with 2 Gareni irrigation-pumping units

Reliability

- 6 Gillette Generators put reliability into standby gen-set applications
- 7 Oxbo harvesters run around the clock with John Deere power
- 8 Energreen telescopic-arm mowers trim where others can't go

Cover Story

- 10 An Orchard-Rite wind machine stands tall above a vineyard, ready to combat frost before it has a chance to bite. Thanks to a programmable auto-start system, the wind machine automatically starts up and shuts down at pre-set temperatures, conserving labor and fuel. Orchard-Rite of Yakima, Washington, powers its wind machines with the PowerTech™ 6068T engine, with plans to transition to the Tier 3/Stage III A PowerTech E 6068H engine in the near future.

Service and Support

- 11 Aksa and John Deere team up for global success in the gen-set market
- 12 Tol Inc. tree-pruning equipment is a cut above the rest
- 14 Generating customer loyalty with good service is Flag Service's specialty

New Applications

- 15 Put power and torque into land clearing with PrimeTech's new prime mover
- 16 Terex Simplicity sets wheels in motion with its new portable rip-rap plant
- 18 OEM's new Outback nut sweeper puts new precision into gathering nuts
- 19 Ramsay Highlander harvesters add efficiency to produce production
- 20 Neuson Ecotec puts creativity into environmental composting

Technology

- 22 PowerTech E 4.5L and 9.0L engines deliver value and performance to standby gen-set applications

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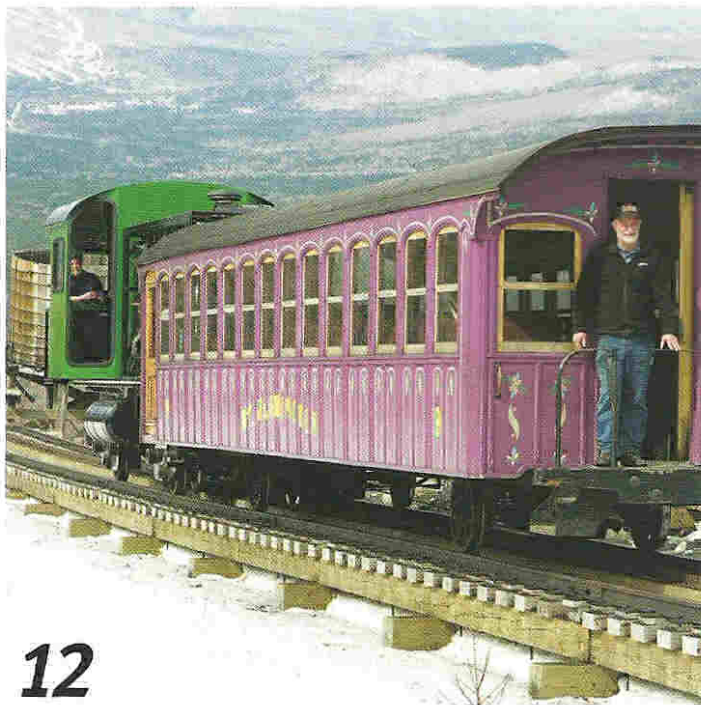
Vol. 3, 2008

The first diesel engine climbs the Cog



Gold-medal sweepers head to the 2008 Olympics

Asphalt-lovin' Road Hogs



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JOHN DEERE

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Durability in Harsh Conditions

- 3 Blast, tack, and fill potholes with the Warren Total Patcher
- 4 RHAM hydrostatic trucks revolutionize South Africa's mining industry
- 5 Ian Dickie water jets go underground to clean Cape Town
- 6 Have a major meltdown with Trecon Combustion
- 7 Transpread slurry spreaders turn Russian fields green

Factory News

- 8 John Deere's Saran factory manufactures its two-millionth engine

Historical

- 10 Compact cars are made E-Z with R.M. Johnson crushers
- 11 Good vibrations come from John Deere-powered MKT pile drivers

Cover Story

- 12 After 138 years running solely on steam-engine power, the Mt. Washington Cog Railway in New Hampshire will introduce its first diesel-powered locomotive to tourists this summer. Built from the ground up, the biodiesel locomotive is driven by a John Deere PowerTech™ 6125H engine, offering tourists a clean, cost-effective way to reach the summit of New England's highest mountain peak. The new locomotive aims to preserve the Cog's fleet of coal-fired steam engines by offsetting the rising costs to operate them.

Service and Support

- 14 New Way aids progress in the Republic of South Africa
- 16 Bucher Schörling sweepers put the shine to the 2008 Olympics

New Applications

- 17 Trioliet-Mullos takes silage to a new level of nutrition
- 18 Get more mobile with the Eagle Crusher track-mounted impactor
- 20 A Road Hog with a strong appetite for asphalt
- 21 Gladiator sweepers fight roadway filth
- 22 Railpower Technologies Corp. turns shipyard gantries green

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VOL. 2, 2008

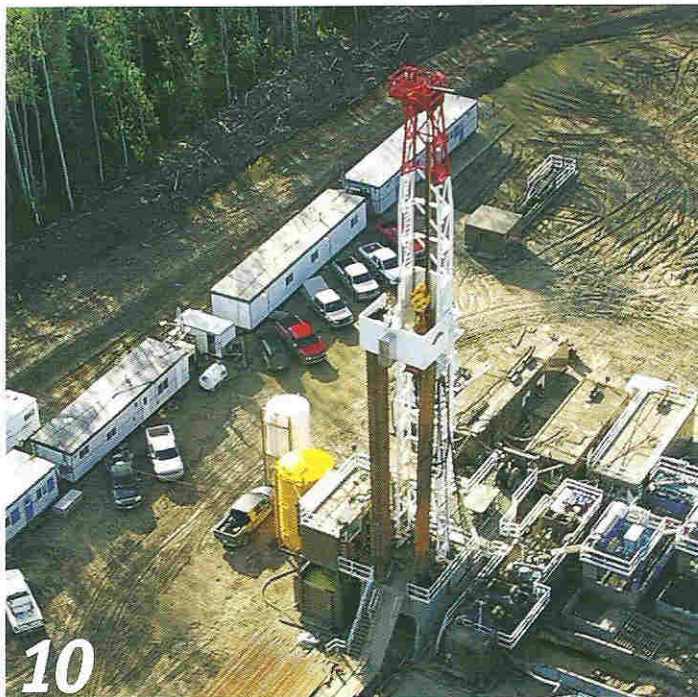
**John Deere engines
play supporting role
on oil rig reality show**



**Offshore cranes
that haul heavy
loads**

**Power and
light for
remote camps
and worksites**

**Service dealers
bring expertise
to the oilfield**



Service and Support

- 3 Sanjel boosts production of oil and gas wells
- 4 A John Deere engine distributor makes a big investment for the future
- 6 Key Energy meets stringent California emissions regulations with John Deere power
- 7 Baldor generators shed new light on drill-rig operations
- 8 John Deere service dealers provide a wealth of expertise to the petroleum industry

Cover Story

- 10 Bronco Drilling Services, Ltd. hits mainstream media in Canada when its Bronco 1 drilling rig and crew receives the spotlight in a television reality series. Crew manager Donnie MacPhee took center stage in the series, while a John Deere PowerTech™ diesel served a supporting role as the floor engine. On and off camera, the John Deere powered Bronco 1 receives rave reviews for its performance in the oil sands of Wabasca, Alberta, Canada.



JOHN DEERE

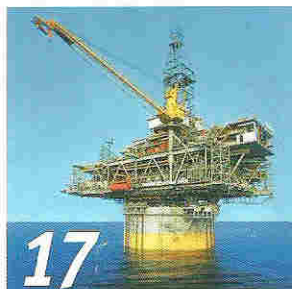
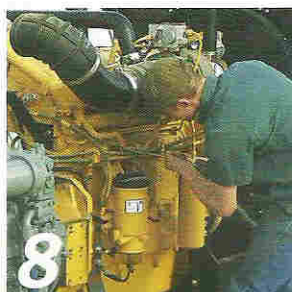
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Reliability

- 12 Baker Hughes Drilling Fluids provide mud in a hurry in remote regions
- 13 D&R gen-sets power isolated camps in the far reaches of Canada
- 14 Progress never ceases at Pioneer Oil

Durability in Harsh Conditions

- 15 Refineries receive a better clean with Ceda-Reactor pumping units
- 16 Mud moving made easy with Francis Drilling Fluids
- 17 Seatrax cranes handle heavy loads in high seas

Technology

- 18 The petroleum industry explores and reaps the benefits of John Deere power

PowerSource

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VOL. 1, 2008



**The world's
most versatile
slipform paver**

**John Deere
service centers
multiply in Europe**

**Multipurpose
telescopic excavators**





Cover Story

- 3 The GOMACO Commander III is recognized around the world as the elite multi-application slipform paver in the concrete construction industry. Whether the job calls for curb and gutter or an irrigation canal, no other paving machine in history is capable of tackling more projects. The engine of choice for this versatile machine is the Tier 3/Stage III A PowerTech™ E 6068H, which powers the hydraulics through a Funk Series 59000 pump drive.

Service and Support

- 4 Italy's O.M.I.G. rock crushers possess all of the right ingredients
- 5 The Fox coil transporter is one clever rig
- 6 Sullair of Houston speaks out about its preference for John Deere
- 8 Liebherr dealers to offer additional support in Europe
- 9 Robbins HDD custom drills go to great lengths underground
- 10 Cyclone Environmental Technologies cleans pavement surfaces

Durability in Harsh Conditions

- 12 CSM standardizes its excavators with John Deere engines
- 14 Pettibone Speed Swings earn big-boy approval

Reliability

- 15 Woodsman Chippers turn brush into valuable energy biomass
- 16 Crafcó's Magnum Spray Injection preserves pavement — and lives
- 17 Mix a better batch of concrete with the Cemco mobile batch plant
- 18 Asphalt Zippers prepare old roadways for new pavement
- 19 Green Power gen-sets are globally "green" with John Deere engines

New Applications

- 20 Kormann Rockster crushers make an impact on demolition and construction recycling
- 21 Enteco's small crawler cranes pack a big punch

Technology

- 22 John Deere engines meet the needs of a diverse, global market



JOHN DEERE

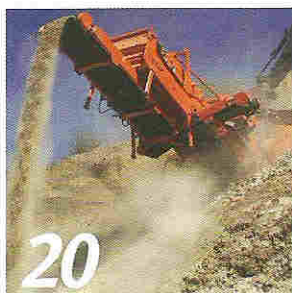
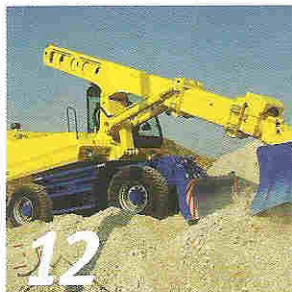
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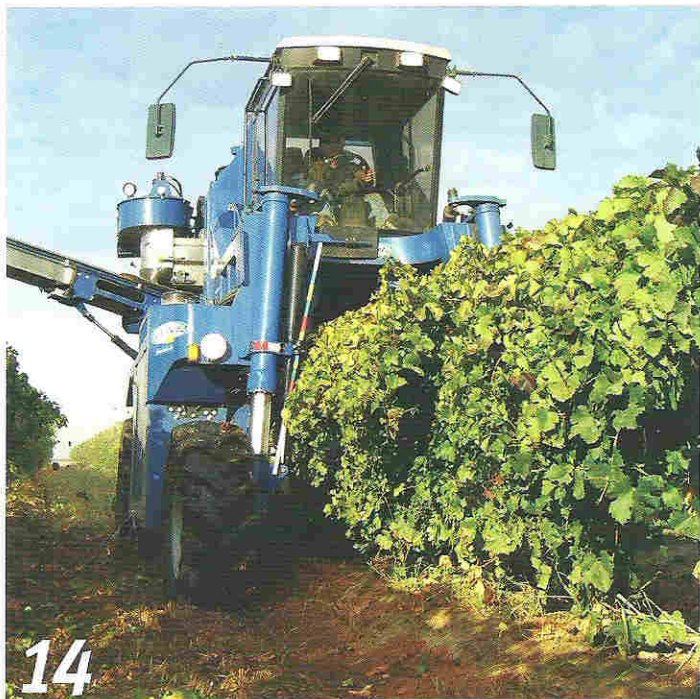
**Korvan takes
versatility to
the vineyard**

**MPS gen-sets
safeguard medicine
and mining**

**Ultra-efficient
fruit and vegetable
harvesters**



**Gen-sets
that power
the world**



Durability in Harsh Conditions

- 3 Taylor gen-sets tackle tough conditions

Reliability

- 4 Gen-sets sustain large British Columbia fish operation
- 5 W.H. Bence brings medical services to remote locations
- 6 Generac safeguards medical supplies with MPS units
- 8 Gen-sets bring power and light to a South African island
- 9 Transmanut creates meals on wheels for cattle
- 10 John Deere-powered gen-sets keep shipping containers cool

Horsepower and Torque

- 11 AFE makes advances in vegetable harvesting
- 12 CTM packs power and performance into its new tomato harvester
- 13 Mining for methane with MPS gen-set units

Cover Story

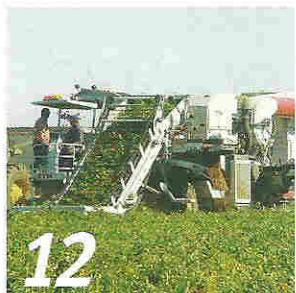
- 14 The versatility of the Korvan 4012 only continues to grow. Here's a John Deere-powered machine that can spray, mulch, prune, rip, disc, and mow. Now that the machine comes powered with the Tier 3/Stage III A PowerTech Plus™ 6068H, the 4012 is more powerful and fuel efficient.

Service and Support

- 15 SDMO and John Deere are partners in power
- 16 Vogel harvesters are a dangling carrot for farmers
- 17 Mutti mixers have all the right ingredients for success
- 18 Broadcrown and John Deere form a powerful relationship
- 19 A toast to Dérot's fine vineyard tractor
- 20 FMC develops a high-capacity harvester with service in mind

Technology

- 21 The 9.0L and 13.5L engines are sensible choices for standby power
- 22 John Deere engines are proven in the rental gen-set market



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**Taking technology
to all-new heights**
Genie introduces its new
rough-terrain telehandler

**Godwin takes
pumping to
the extreme**



**Spierings
cranes tower
above the rest**





Historical

- 3 Vermeer chippers derive the benefits of the PowerTech E™
- 4 Technology flows at high volume at Godwin pumps
- 5 Python founder re-establishes old ties with John Deere

Durability in Harsh Conditions

- 6 Bowie hydro-mulchers handle the dirtiest jobs
- 7 Cosira vacuums clean up in a big way

Cover Story

- 8 Genie Industries introduces its all-new, rough-terrain GTH-1056 telehandler. The Terex-owned company took a clean-slate approach to create a high-reach telehandler with a 17.3-meter (56 ft., 10 in.) maximum lift height, making it ideal for multi-level construction projects. This innovative material handler is powered by a Tier 3/Stage III A PowerTech Plus™ 4045H. To learn more, see our story on page 8.

New Applications

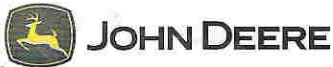
- 9 Arrow Striping sets the groove with the PowerTech Plus 9.0L engine
- 10 John Deere engines receive mining certification
- 12 Kefdrill quietly supports the rising demand for closed-loop heat exchangers
- 13 Spierings takes its folding cranes to even greater heights

Reliability

- 14 Alto Service builds trailers to move luxury yachts on land
- 15 Holland Company of Illinois puts reliability into railroad repairs
- 16 A five-star resort safeguards its thatched roof with Clarke fire-pump engines
- 18 Ziegler fire-fighting vehicles keep airport fires at bay

Technology

- 19 Leadership in biodiesel



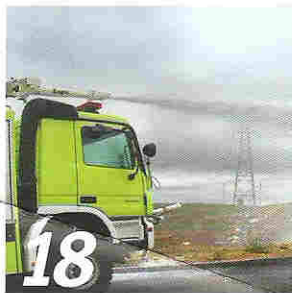
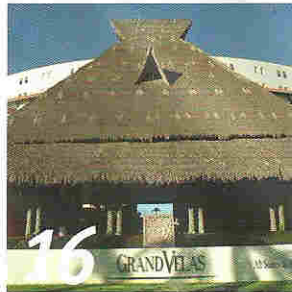
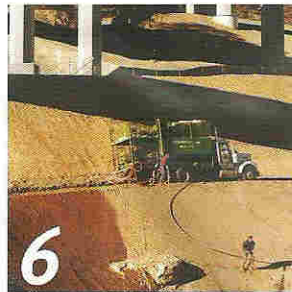
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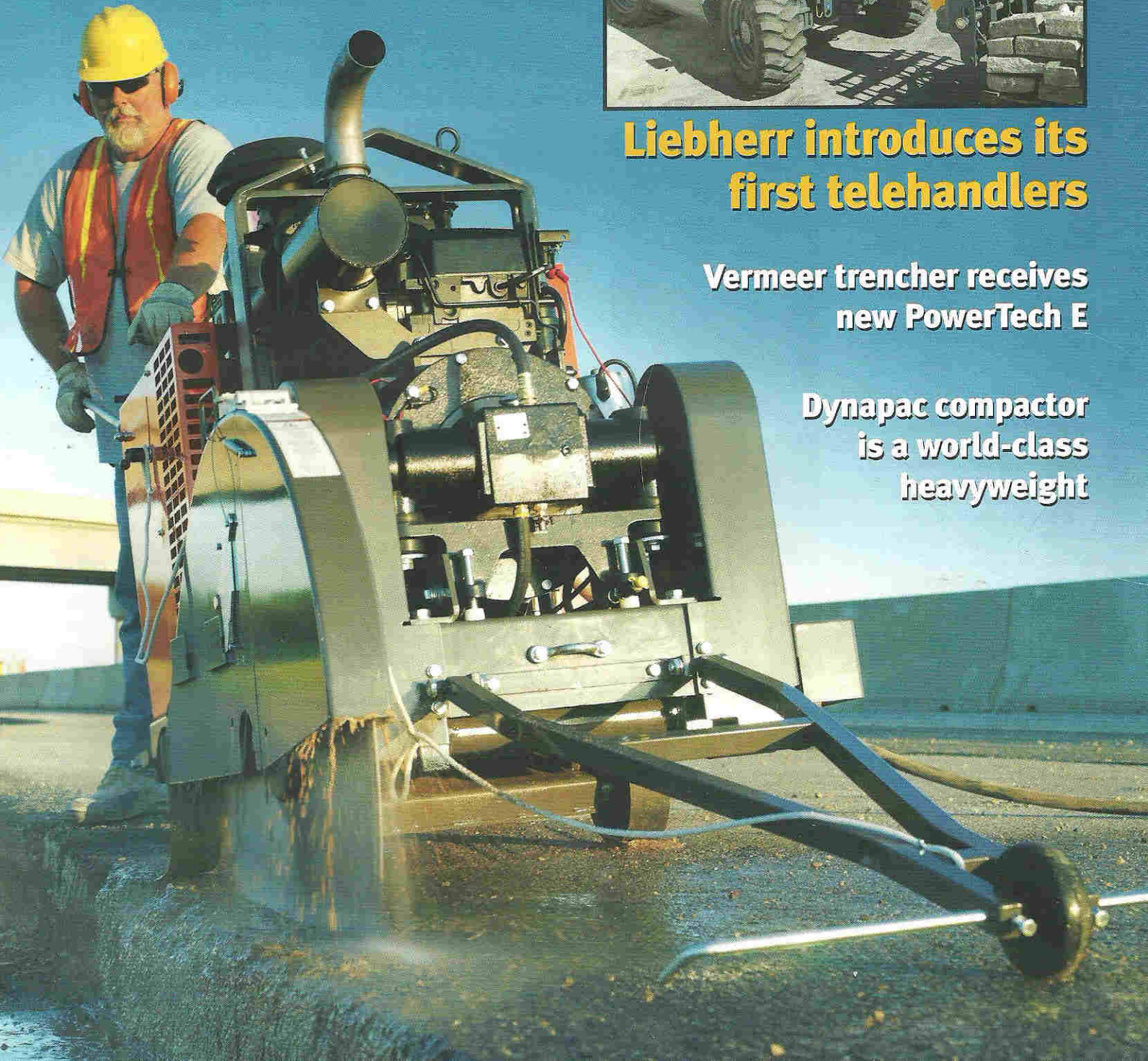
**Husqvarna packs
the power into
concrete cutting**

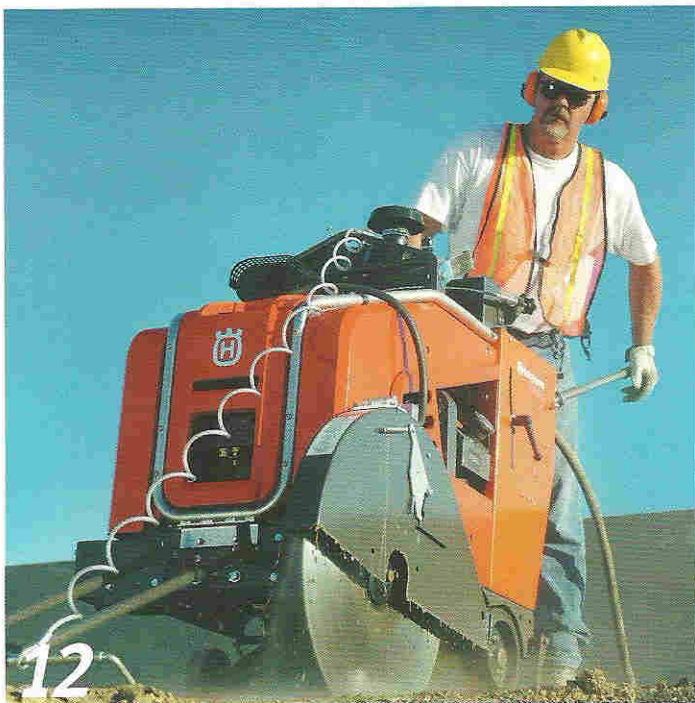


**Liebherr introduces its
first telehandlers**

**Vermeer trencher receives
new PowerTech E**

**Dynapac compactor
is a world-class
heavyweight**





Service and Support

- 3 Baker Products turns logs into fine lumber
- 4 Q & A session on John Deere engines with the president of Barco Pump
- 5 Werklust wheel loaders make work fun
- 6 Atlantic Drill benefits from timely orders on customized power units
- 7 A John Deere 4045 is the tie that binds two companies under Grimmer Industries

New Applications

- 8 Liebherr introduces its new line of John Deere-powered telescopic handlers
- 9 Dynapac proves itself as a heavyweight champion among soil compactors

Technology

- 10 John Deere Tier 3/Stage III A engine solutions

Cover Story

- 12 Husqvarna packs the power into concrete cutting with its FS 8400 walk-behind concrete saw powered by the John Deere PowerTech 5030T. The Olathe, Kansas, company designed its concrete saws with a right-angle gearbox mounted on the engine that accommodates 16 to 20 banded V-belts, maximizing the horsepower delivered to the blade shaft. Adding to this efficiency is a John Deere engine with a flat torque curve, making the Husqvarna concrete saw one of the most highly efficient and productive on the market.

Historical

- 13 HMM is masterful at recycling rubble
- 14 Griffin benefits from the dual role as a manufacturer and end user
- 15 Patching up potholes fast and efficiently with the Duraco Maxx
- 16 Finn names three good reasons and applications for John Deere power

Durability in Harsh Conditions

- 17 Menzi Muck machines know no boundaries
- 18 Hamilton celebrates Menzi Muck's 250th John Deere engine
- 18 Fraste drills to the core of innovation
- 20 Vermeer becomes entrenched in PowerTech E
- 22 Clearing land mines with the DTR Digger

Factory News

- 23 Construction association offers valuable input on John Deere engines
- 23 Calendar of Events



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Breathe Easy With FireFans

Global Demand Grows
For Italian-designed
Genmac Gen-sets

Smarter Tomato
Harvesting With
The 9.0L Engine





5

New Applications

- 3 Posch removes the back strain out of firewood processing
- 4 Valpadana takes to the hills with its new vineyard tractors

Cover Story

- 5 Golden Valley Manufacturing of Bakersfield, California, introduces the world's largest and smartest harvester for processing tomatoes. This highly productive, three-row harvester features the new PowerTech Plus™ 9.0L engine. The Tier 3/Stage III A engine powers the hydraulics through a sophisticated electro-hydraulic communication device designed to optimize harvester performance and efficiency. As a result, the new harvester can potentially reduce harvesting costs by at least half.

Service and Support

- 6 Big John gets more power per pound with John Deere engines
- 7 FireFans generate a life-saving breeze for poultry and people
- 8 A hog house standby gen-set offers more value by supplementing rural electricity
- 9 Service-oriented Genmac ships gen-sets by the container load
- 10 Rotochopper turns wood chips into colorful mulch
- 11 Pellenc and John Deere forge a fruitful relationship

Technical

- 12 John Deere gen-set engines meet European Stage II approval

Reliability

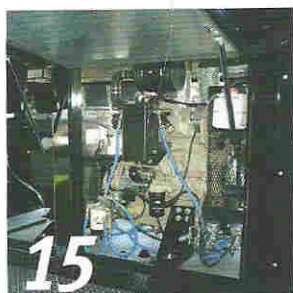
- 13 Rears Manufacturing responds to rising California air-quality restrictions with the EDS 309 Pull-Flail brush shredder
- 14 Drought-burdened crops get relief with 63 John Deere-powered pumping units
- 15 Alturdyne gen-sets receive a top ranking at the U.S. White House
- 16 PSI gen-sets provide instant, reliable power to rapid-deployable military shelters

Historical

- 18 Long-time customer Cadman Power sees an optimistic future with Tier 3/Stage III engines
- 19 Dehondt adds innovation to an age-old tradition of producing flax

Distributor News

- 20 Distributors celebrate their 10-year affiliation with John Deere
- 22 The Le Petit train gets on track with a John Deere PowerTech™
- 23 Driving with pride with the John Deere logo
- 23 Calendar of events



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Allianz MadVac puts ample horsepower to the broom with its new dual-engine MT350 sweeper, featuring the PowerTech 5030T

**HTN takes
greenhouse
raising to all-
new heights**

**The PowerTech
Plus 6090H earns
high accolades**



Durability in Harsh Conditions

- 3 Gardner-Denver water jetting tools tackle the most extreme environments

Cover Story

- 4 The Allianz MadVac introduces the new MT350, a rugged, dual-engine sweeper that relies on the PowerTech 5030T to drive its sweeping functions. A long-time user of John Deere power, Allianz chose this 57-kW (76 hp) five-cylinder engine for its high-horsepower and torque density, low noise and miserly fuel consumption. The international company also values the service its customers receive on a global level from John Deere's vast dealer network.

Service and Support

- 5 The secret behind Select Sawmill's worldwide success
- 6 HTN gives greenhouses a lift
- 7 Shred-Tech builds its first engine-driven document shredder

Historical

- 8 Lane Recycling caters to a growing number of small-scale wood recyclers
- 9 Long-time customer Eagle Crusher moves into another emissions level — this time with PowerTech Plus engines

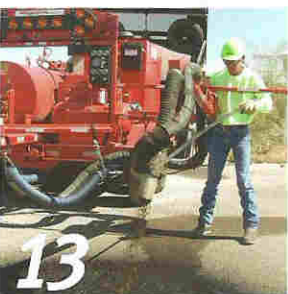
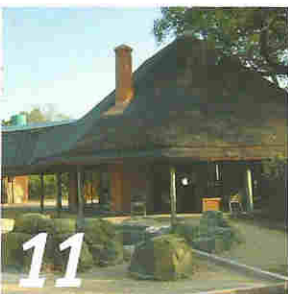
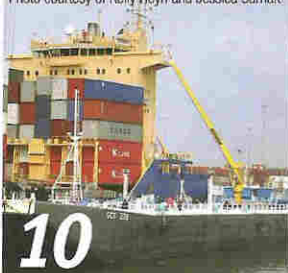
Reliability

- 10 The GCS 238 barge, owned by Gellatly and Criscione Services Corp., refuels ships fast with the help of two PowerTech 12.5L engines
- 11 Staying cool in the heat of South Africa
- 12 Work is a cinch for this railroad-equipment repair foreman
- 13 Crafcro makes pothole patching a one-person job

Factory News

- 14 The PowerTech Plus 6090H is named "Diesel of the Year 2006"
- 15 John Deere Engine Works celebrates its one-millionth engine

Photo courtesy of Kelly Heyn and Jessica Samak.



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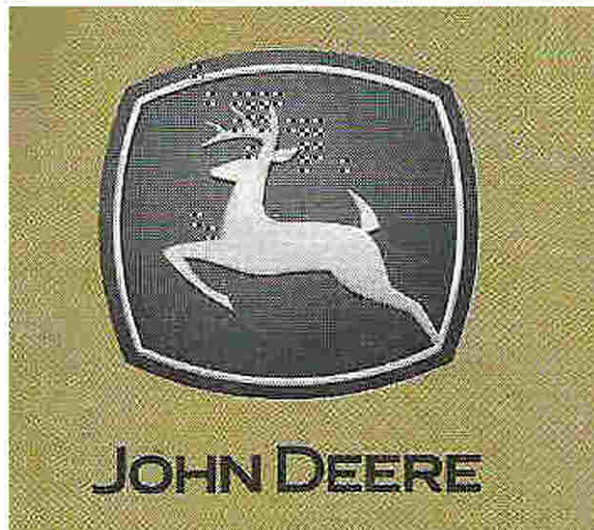


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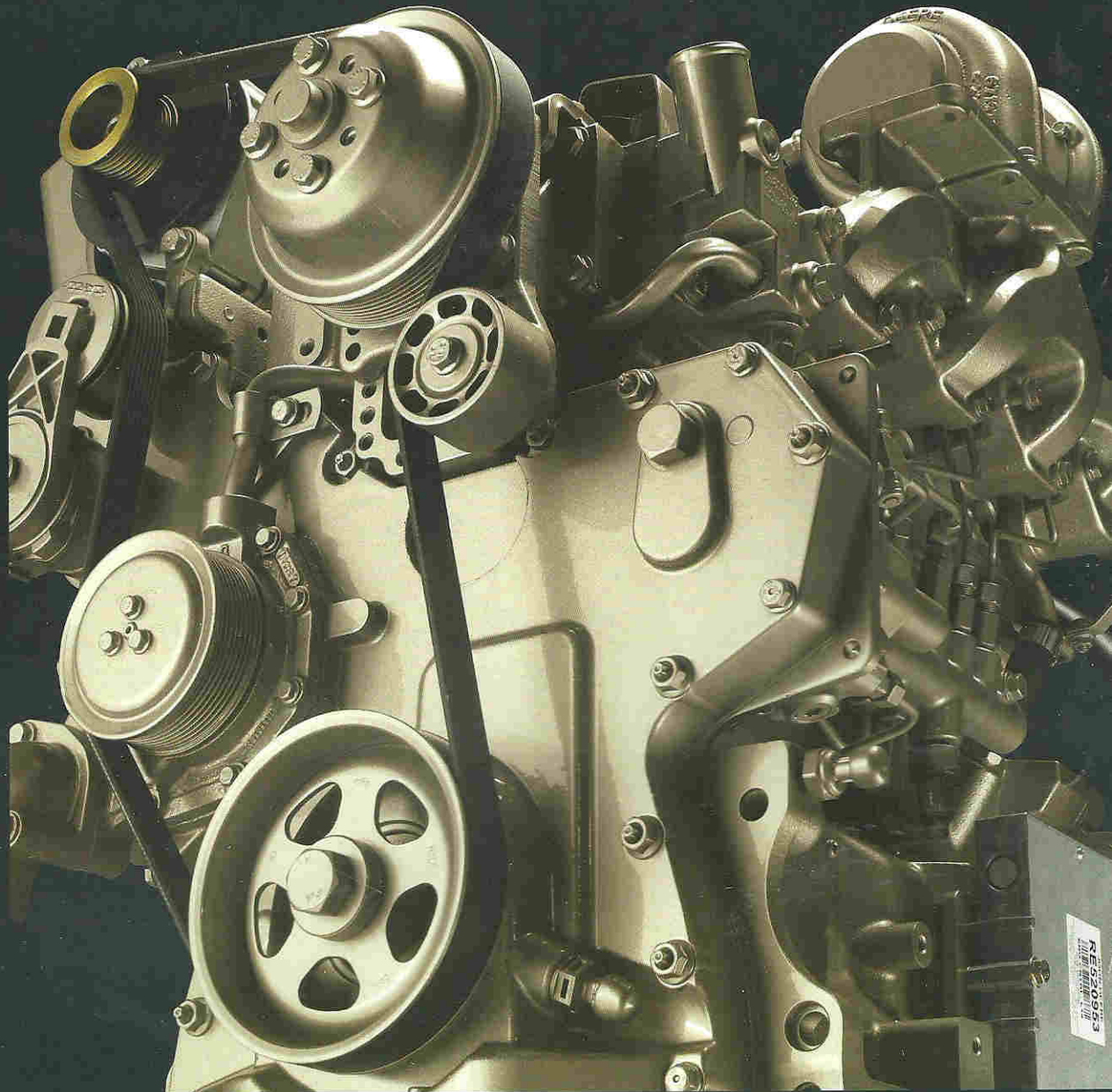
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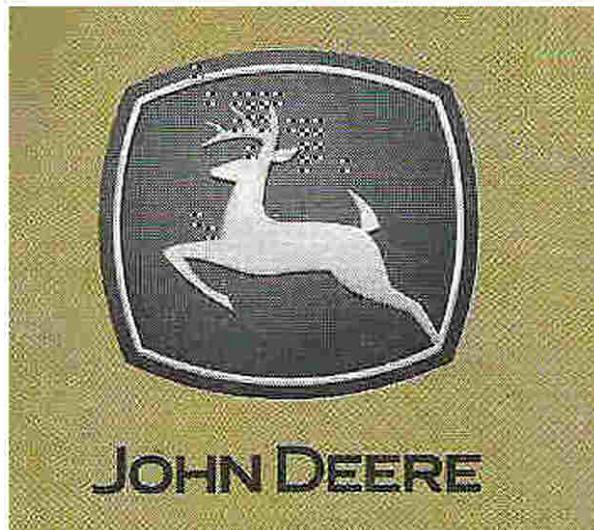


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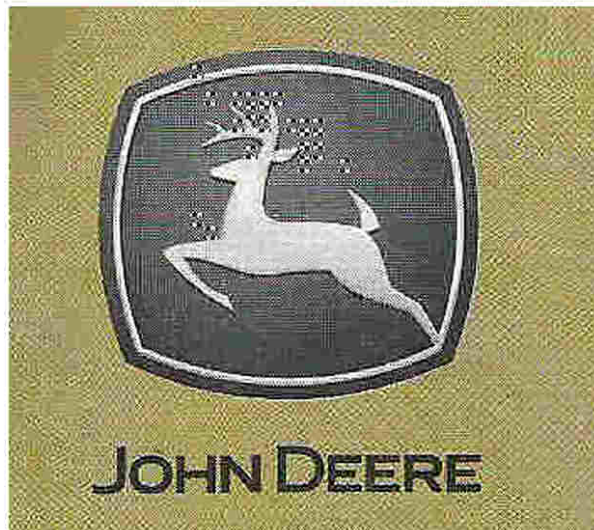


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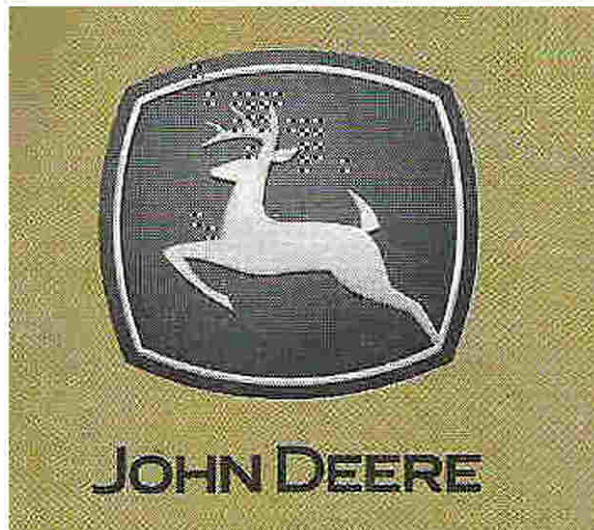


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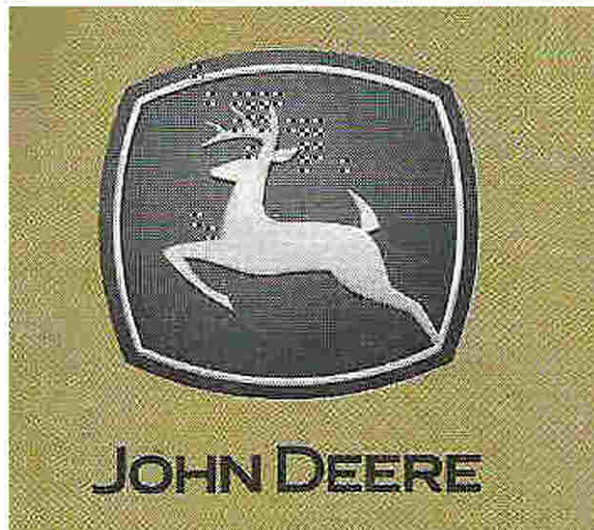


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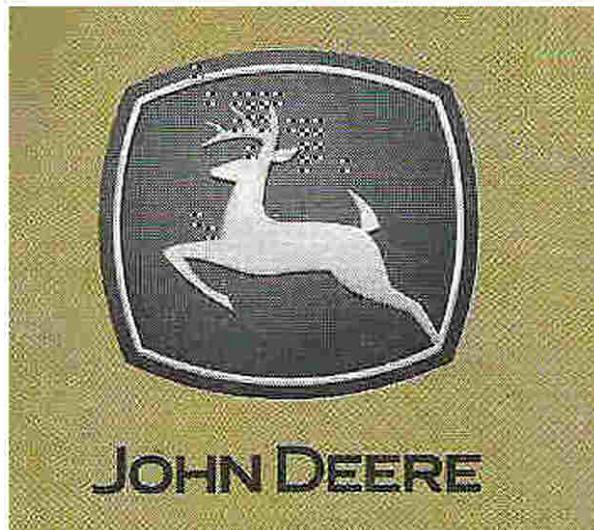


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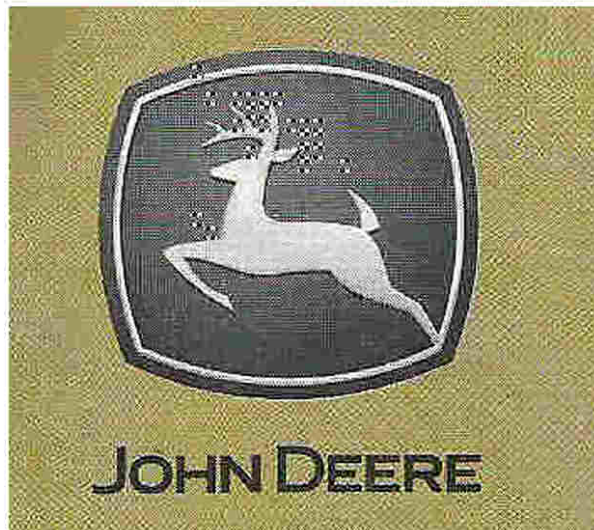


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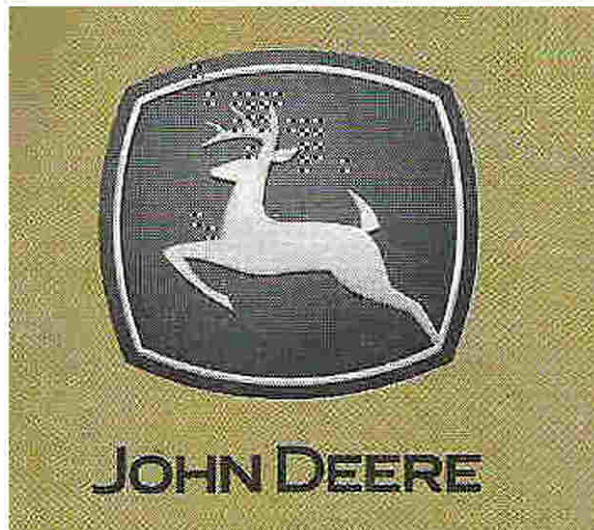


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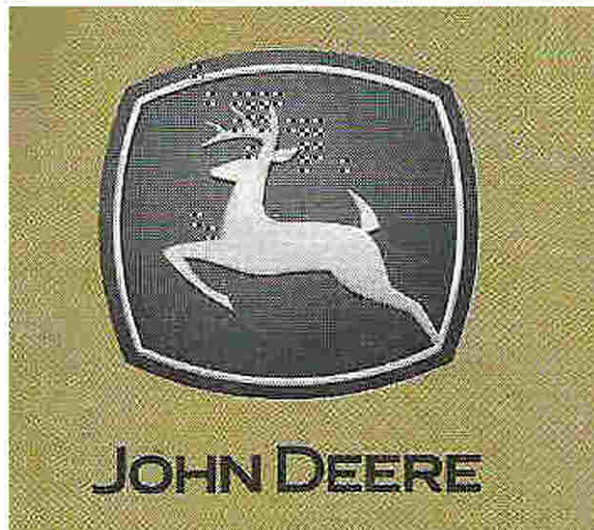


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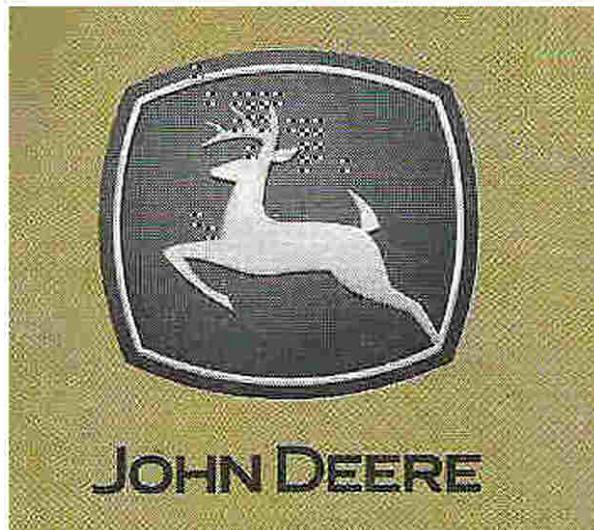


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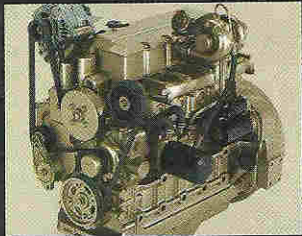
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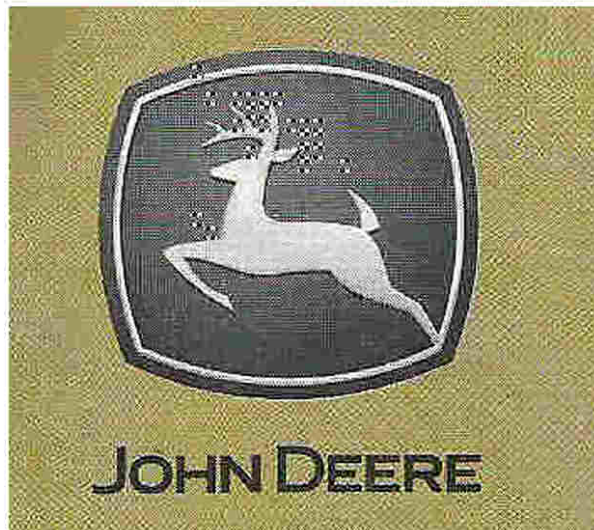


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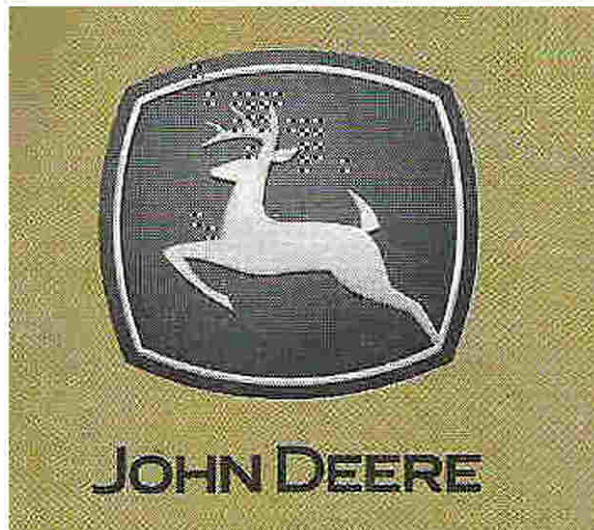
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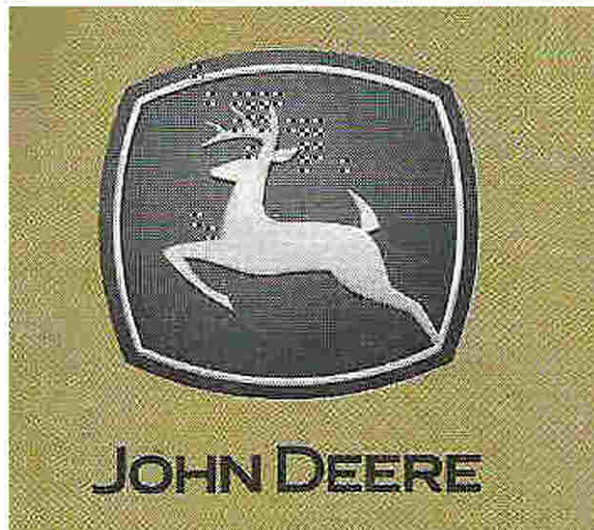


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