

POWERSOURCE

A publication of John Deere Power Systems

Winter 2015

FOUR-IN-ONE INNOVATION

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

PAGE 14

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

PAGE 4

**CALIFORNIA'S
KIWI KING
GROWS GREEN**

PAGE 12

**VERMEER
MASTERS MUD
RECYCLING**

PAGE 21



ON THE COVER

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

POWERSOURCE

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 reclaimer



SERVICE AND SUPPORT

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

PowerSource™ is a publication of John Deere Power Systems. PowerSource is published quarterly for John Deere Power Systems Distributors, OEMs, and end-users of engines and drivetrain components. Subscriptions to this publication are available free of charge. Log on to www.JohnDeere.com/powersource to request or modify your subscription. Inquiries can also be sent to the below address:

John Deere Power Systems
Attn: Marketing Communications Dept.
P.O. Box 5100 Waterloo, IA 50704-5100
Phone: (800) 533-6446 in the U.S.
Email: jdpower@JohnDeere.com

Privacy Consent: All personal information that you provide to us is being collected, used, and disclosed to provide you with the subscription you requested and for marketing and promotional purposes. For information about our privacy policy, visit our website at www.JohnDeere.com/privacy.

Editor: Christine McClintic
European Contributing Editor: Hester Regoort

To learn more about John Deere engines and drivetrain components, visit www.JohnDeere.com/jdpower.



Pro Energy generator sets are custom built on skids and are used in oilfield, forestry, agriculture, and construction applications.



DREAM IT, AND THEY WILL BUILD

Allen Sawchuk's success in the rental power solutions business stems from a long-term relationship with his John Deere engine distributor

Allen Sawchuk just wanted someone to listen. As an innovator and young businessman, he was well aware of what he needed; the challenge was finding someone to actually carry out his requests.

"I have always operated differently from others in this industry. When I started my business, I encountered tremendous difficulty finding distributors that would actually listen to, and properly address, my needs and requirements," recalls Sawchuk, president and founder of Pro Energy in Red Deer, Alberta.

It was at a trade show that Sawchuk met Larrie York, president of Frontier Power Products, a John Deere engine distributor in Delta, British Columbia. This fortuitous encounter produced favorable results. "I was 30 years old and just starting up a new

rental power solutions business when Larrie handed me his card and said, 'Phone me any time; I'll look after you.' "

Sawchuk followed through and gave York a call. York responded with a willingness and capability to customize the distributor's line of PowerLine generators to Sawchuk's liking. "Over the years Frontier Power has taken the time to get to know me and my business, which has enabled them to consistently excel at accurately anticipating and identifying my needs," Sawchuk states simply. "If I dream it, they are able to work with me to customize the equipment to fulfill my performance needs and safety requirements."

Speaking of requirements, Sawchuk is someone who pays meticulous attention to detail. His list of specifications include braided fuel lines, powder-coated steel,

secondary fuel filters and bypass oil filters — features that make his generators extra resilient and reliable.

Durability is important to Sawchuk. "Born and raised on a farm started by my parents, Steve and Jenny, in the proximity of Dawson Creek, British Columbia; and Grande Prairie, Alberta, I was well aware that John Deere was revolutionary when it came to innovation and design. They have always come through in producing first-rate, robust engines." Even today, Sawchuk owns and operates a fleet of John Deere combines, tractors, sprayers, and air seeders to cultivate over 3,237 hectares (8,000 acres) of malt barley.

That robustness is equally as important in the rental business. "Pro Energy specializes in providing rental power solutions for all industries — oil and gas, mining, forestry,



Pro Energy operates one of the largest rental power solution fleets in western Canada. The fleet includes many John Deere-powered gen-sets packaged by Frontier Power Products, including this 225-kW generator set.



Pro Energy technicians test a 200-kW Pro Quiet Pak powered by a John Deere PowerTech 6.8L engine.



Allen Sawchuk founded Pro Energy and secured his first generator set from Frontier Power Systems. He also owns and operates a fleet of John Deere farming equipment and produces over 3,237 hectares (8,000 acres) of barley.

municipalities, agriculture, construction sites, pulp/paper mills, manufacturing facilities, hospitals, entertainment, and so much more," explains Sawchuk. He recognizes that operators can sometimes be on the rougher side when it comes to handling the rental equipment. "They usually don't have a delicate hand when loading and off-loading equipment," he muses. "I've always explained (to Frontier Power) that in order to reduce liability, it is essential that heavy steel and superior materials go into my units. This practice has yielded positive outcomes."

Canada itself comes with a set of challenges. Remote isolation and cold temperatures are two conditions that Frontier Power Products conquers with a healthy dose of innovation. Sawchuk has often ordered generators engineered with cold-weather packaging, and the first generator that he purchased in

2001 featured Frontier's own Long Run Oil System, which extends oil change intervals to 2,500 hours. The system houses large quantities of oil, an oversized sump, and a special oil filter to reduce the need for routine service at remote sites. In fact, Pro Energy's fleet includes long-running PowerLine generator units, some which have accumulated up to 40,000 hours of reliable use.


Frontier also builds specialized Remote Site Generators. Frontier Power pairs the Long Run Oil System with an oversize fuel tank, and also adds satellite communications to allow remote monitoring, testing, and control. But if you find yourself in the middle of a metropolis, Frontier Power can set you up with sound-attenuated generators, too.

"In my opinion, Frontier provides so much more than their competitors, hands down," says Sawchuk.

Fourteen years after that first meeting with York, Sawchuk looks back at how far he has come. "I will never forget having to cash in my retirement fund so that I could put my first deposit down on a John Deere," recalls Sawchuk. Today, he operates one of the largest rental power solution fleets in western Canada.

"When I first got started, I am sure that many people thought I was crazy," Sawchuk said with a smile, "but following my dreams has proven to be one of the sanest things I ever did."

If you would like to learn more about Allen Sawchuk or Pro Energy Inc., please check out www.proenergy.ca.

 **Distributor:** Frontier Power Products; Delta, British Columbia; Edmonton and Calgary, Alberta; www.frontierpower.com