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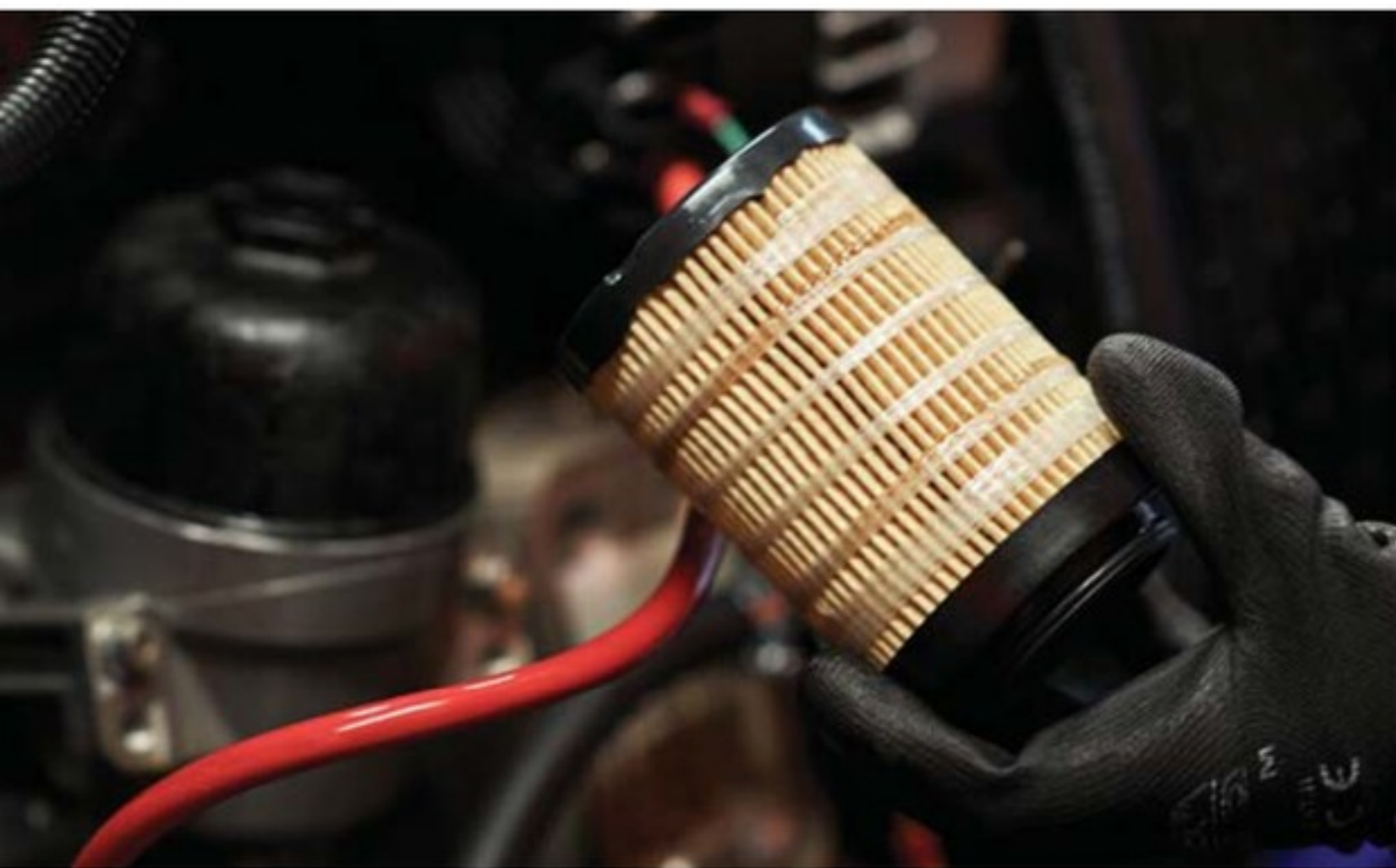
Rental Equipment Register

APRIL 2021



Categories of Brilliance

Innovative Product Awards Category Winners



urethane end caps seal against the filter housing. There's no gap for the oil to get through, making it more likely that all the oil is being filtered.

"Then, we've done two things to keep the media pleats in place. One, we put in an acrylic bead between every single fold. That stops them squashing together because they're being held apart. And, two, we put what we call spiral roving around the media to hold the pleats in place. So together that means that all the oil is being filtered really well.

"And the actual filter material is really high quality, it's made out of cellulose and a product called meltblown. So it's really good high quality filter material to ensure that you're protecting your engine."

Scott adds that the metal center tube used in a traditional spin-on filter can become corroded or rusted and shed pieces of metal that go around the engine with the oil.

"We have a non-metallic center tube so it can't rust which makes it much better for keeping the oil clean. If you've filtered your oil and then it picks up swarf from the metal

center tube, then you've gotten rid of one bad thing but you've added another. With high-quality filter media held in place, a non-metallic center tube and a high-quality by-pass valve you've got clean oil going around your engine and that's the key to all of this."

Another benefit, Scott explains, is that oil flows immediately when the engine starts.

"You don't want your turbocharger operating without any oil while it's waiting for oil to arrive. The minute you turn on the engine, the oil will start circulating from the by-pass valve, it's going to have that oil ready to start going around the engine protecting all your important components.

"So, by combining a high-quality by-pass valve with good quality filter media held in place really carefully you get a really good quality filter that protects the engine. Well filtered oil means you don't get scratches as it's going around. You're protecting the rest of your engine by having that high quality by-pass valve that allows you to pass the oil around the engine straightaway."

CATEGORY: Miscellaneous

PRODUCT NAME: Mobile Work Platform for Traffic Control

MANUFACTURER: Innovative Access Solutions

KEY INNOVATION: This device provides a much safer method to construction workers as they place and retrieve traffic cones. It is likely the only device of its kind that has successfully been ANSI-tested and built using OSHA guidelines.

MANUFACTURER'S DESCRIPTION: Our MWP-TC is OSHA compliant and ANSI A92 rated for aerial platforms. This Mobile Work Platform for Traffic Control is constructed



added strength we have designed a steel underide support system to provide an ANSI rating of 1000 pounds working load capacity. This has given our product the ability for such capacity that it allows for two workers to be inside the unit as they

can work in a safe and efficient manner.

Aggressive slip resistant Grip Strut flooring alongside our OSHA compliant inward opening handrails provide a safe workspace for construction and road workers. The MWP-TC is outfitted with warning, work, and DOT lighting for high visibility while in use. It is also outfitted with an adjustable hitch to give the users 6 inches of height adjustment. Towing an arrow panel to the job site does not require a second truck as the MWPTC has a rear towing receiver and 4-, 5-, or 7-pin trailer connector for DOT lighting.

Two leveling arms are connected to the platform that apply pressure to the truck bed for stabilization, our pivot plate design allows the arms to be set and locked into place for a secure ride. Along with our standard lighting package on the MWP-TC we also have the option for Connected Tech through iCone, a system that alerts GPS users that road work is happening ahead. We also have one powered switch that can be utilized to operate any 12-volt accessory you would like to attach to our unit. A center step makes for easy access into the bed of the pick-up truck it is attached to.

RER INTERVIEWS RICHARD PLUSH,

PRODUCT MANAGER, INNOVATIVE ACCESS SOLUTIONS:

You see people riding in the back of truck beds leaning over and dropping off cones or picking them up. Unfortunately, injuries occur and that's why the Mobile Work Platform for



The MWP-TC is outfitted with warning, work, and DOT lighting for high visibility while in use.

Photo by Innovative Access Solutions

with lightweight aluminum and is utilized to deploy and retrieve traffic control devices, like cones and drums. Our platform makes the job more efficient, quicker, and safer. For

Traffic Control is a safer way, having been ANSI-tested and built according to OSHA guidelines.

"It would usually be somebody sitting in the bed of a pickup truck or leaning over the side or sitting on the tailgate," says Plush. "Therefore, we saw the need in the market for a safer alternative for traffic control deployment."

DOT lighting on the read of the platforms makes it very visible from behind.

"We are outfitted by four different strobe lights around the perimeter in the back and also two work lights so there is ultimate visibility for people on the roadway," says Plush.

In regard to the ANSI tests, Plush says, "We have been ANSI-tested to 1,000-pound working load capacity. That is 1,000 pounds with the basket and payload in it."

In addition to being safer, the Mobile Work Platform is far more efficient.

It has a rear towing receiver and a 4-, 5- or 7-pin trailer.

"A lot of times on traffic control jobs they will pull a message board or an arrow board behind with them," Plush says. "So this



Two leveling arms are connected to the platform that apply pressure to the truck bed for stabilization, and the pivot plate design allows the arms to be set and locked into place for a secure ride.

Photo by Innovative Access Solutions

alleviates having to have an extra truck on the road and that way they can pull the basket and the arrow board to the jobsite and have it all in one trip."

Connected technology is an important factor in the traffic safety world through an app called iCone. "A lot of road crews have this implemented on their vehicles," says Plush. "What it does is it hooks up to a local power source and if you're on Waze or any other GPS application, it will show up that there is road work ahead. A little icon will show up to give you that alert that people are on the roadway."

The movement towards mandated safety procedures is likely to spur interest in products like the Mobile Work Platform for Traffic Control.

"I believe there are going to be more regulations where these types of products are going to have to be used on roadways," says Plush. "I know that in Kentucky, we have sold numerous units to various government agencies and contractors. They really like them. Of course, we are OSHA-compliant with the handrails as well. So that's important for the safety managers and safety coordinators."

CATEGORY: Material Handling

MANUFACTURER: JLG Industries Inc.

PRODUCT NAME: SkyTrak 3013

KEY INNOVATION: The SkyTrak 3013 ultra-compact telehandler is highly maneuverable due to its ultra-compact footprint of 4 feet 7 inches x 8 feet 9 inches and it's rear pivot steer.

MANUFACTURER'S DESCRIPTION: The SkyTrak 3013 ultra-compact telehandler was purpose-built for use in small spaces requiring up-and-over reach such as landscaping, hardscaping, residential construction, and



industrial work. This telehandler provides excellent reach into truck beds, trailers and over obstacles, as well as lifting and placing materials at heights up to 13 feet.

The SkyTrak 3013 weighs 5,280 pounds with a maximum load capacity of 2,700 pounds. Its compact 4 foot 7 inch x 8 foot 9 inch footprint and rear pivot steer make it highly maneuverable, while its light weight allows for transport by a standard pickup truck equipped with a tow-behind trailer.

In addition to its compact footprint, the SkyTrak 3013 features an optional hydraulic universal skid steer coupler, allowing the operator to change attachments and implements right from the cab of the machine and share attachments purchased for use on other equipment in a contractors' fleet such as skid-steer loaders. Additionally, the new model features four-wheel drive, an oscillating rear axle for a smoother ride and a hydrostatic drive system, all supported by a Kubota V-1505 diesel, 24.8 horsepower engine.



The size of a skid-steer loader, with the maneuverability to get into tight working spaces and still have 13 feet of reach and 2,700 pounds of lifting capacity, serves an important niche of small contractors popular in the rental industry.

Photo by JLG

RER INTERVIEWS JOHN BOEHME, SENIOR PRODUCT

MANAGER: The SkyTrak was introduced in February 2020 and was one of the most talked about pieces of equipment at the American Rental Association show. Boehme recalls that the JLG staff was even surprised at how many people