

# Getting bang for your bucks

Loader backhoes combine performance, fuel efficiency for best productivity

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**A**s a machine that already combines multiple functions under one roof, efficiency is the ultimate goal when it comes to backhoe loaders. Whether you're talking about fuel, performance, handling or power, manufacturers want to help you get the most out of your machine.

In regards to fuel, most backhoe loaders are now up to Tier 4 Interim emissions standards, running as clean as possible. Some, like Case's N Series, utilize cooled exhaust gas recirculation technology; Cat has its own NOx Reduction System to cut down on nitrous oxides.

As jobsite requirements grow and change,

the performance of backhoe loaders has extended as well—in some cases quite literally, as many new models boast a longer reach and dig depth, making both primary functions easier. Servicing the equipment is easier too, thanks to improvements like the new tilt-forward hood on the New Holland C-Series.

Several manufacturers also focused on improving the cab area, for the sake of both function and form. Easier control, better ventilation and improved visibility are just a few of the enhancements to be found, with the ultimate goal of making the equipment easier to work with. **R&B**



## User-friendly

Allowing man and machine to work together more efficiently was the goal of the upgrades to Terex's TLB 840 backhoe loader, starting with the redesigned cab. It includes mechanical controls (optional excavator-style pilot controls available); rear quarter and full-depth windows for greater ventilation and visibility; and a mechanical suspension seat offering lumbar support and greater legroom. The curved boom design of the loader allows greater clearance and closer loading; the backhoe sports a new "deep dig" extendable dipper stick with a dig depth of 18 ft 1 in. and a reach of 21 ft 11 in. **Write in 923**



## Power clean

The Cat C4.4 engine on the three new models in the F Series—the 416E, 420F and 430F—upgrades power while staying up to Tier 4 Interim emissions standards. The machine features the Cat NOx Reduction System and a diesel particulate filter to give it this top-of-the-line certification. Concurrently, horsepower has stayed the same or even increased. The loader sports new lift arms for increased maximum hinge-pin height, dump height, bucket breakout force and lift capacity. Cat Product Link is available for remote diagnostic capabilities. **Write in 924**

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