

INNOVATION YOU  
CAN DEPEND ON.



**N14**



# I N N O V

It's just about the same height and width as the engine it's replacing. It has the same 14-liter displacement. But that's where the similarities end.

Inside, the Cummins N14 is a whole new ball game from head to oil pan. With bigger, heavier components that make the N14 virtually indestructible – and micro-smooth finishes that help it run more efficiently. All this...and big power too.

Plus, there's an intelligent side to this workhorse that can't be ignored. Not only is a straight mechanical version of the N14 available with the Step Timing Control (STC) fuel system,



this engine is also available with the industry's foremost innovative electronic controls, CENTRY™ and CELECT.™

These state-of-the-art systems release more power out of every drop of fuel than ever before...with exceptional reliability and durability. Plus, they deliver information management capabilities like you've never seen before.



# A T I V E

## **POWER YOU CAN DEPEND ON.**

Cummins engines have been handling the toughest jobs – under the worst conditions – for over 75 years. From remote mountain forests to dusty cornfields to construction sites, Cummins has earned its reputation in the trenches.

The N14 takes that reputation and runs with it. Over a hundred and twenty thousand N14s are running right now, logging thousands of hours every month.

The N14 now has added strength, with superior fuel-air management. The result is an engine capable of a peak rating of 525 hp, with 1650 lb-ft of torque at 1300 rpm. That's serious power, for the most demanding jobs.

## **NO COMPROMISES.**

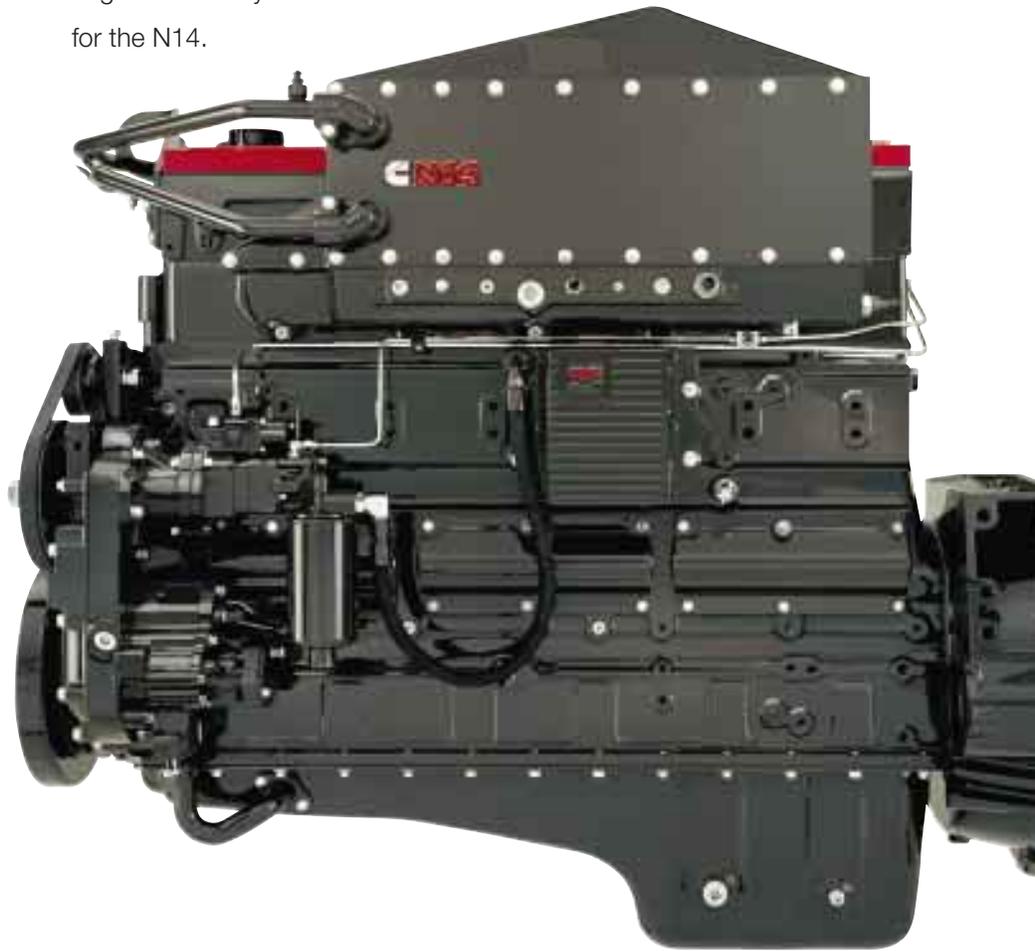
Cummins N14 is designed to meet emissions regulations. So are other engines. The difference is, those other engines give something up – either performance or fuel economy – to meet the standards.

With Cummins N14's innovative design, you sacrifice nothing. The N14 gives you more power, better fuel economy, plus increased durability and reliability.

All in a leaner, cleaner-burning diesel. Simply put, you get more bang for your buck.

The base N14 is equipped with the STC fuel system. This hydro-mechanical system varies the length of the injection stroke to advance injection timing at lighter engine loads and lower speeds. Simple and effective, STC has been proven in Cummins diesels for years.

STC is also the lowest-cost engine control system available for the N14.



# R E L I

## **YOU AREN'T JUST RUNNING EQUIPMENT, YOU'RE RUNNING A BUSINESS.**

It's tough making a living. The world keeps getting smaller, the competition keeps getting fiercer. You need every advantage you can get just to survive.

Cummins electronic engine controls can help. There are two levels of electronic fuel management available on the Cummins N14: CENTRY and CELECT.

CENTRY gives you exceptional fuel economy with precise engine speed control at an affordable price. And CENTRY is programmable, so engine parameters can be adjusted to match your power needs.

CENTRY includes self diagnostics, a default operation system that allows your engine to keep operating safely in the event of engine faults, and a datalink connector that lets you reprogram your N14 with Cummins electronic service tools.

If you sometimes find the need for an extra burst of power, you should consider getting the ADVANTAGE option with your CENTRY Fuel System. ADVANTAGE is a special feature that automatically delivers more pulling power on demand.

The most advanced electronics package available for the Cummins N14 is CELECT. With infinitely variable injection timing, CELECT delivers superior fuel efficiency and improved cold weather startability.

CELECT programmable features include speed control, gear-down protection, idle shutdown and idle shutdown override, power take-off (in-cab or remote) speed-limiting and variable speed governors, and more.

## **SMARTER IS BETTER.**

No matter what business you are in, you need to run smart. Cummins electronics give you access to information like never before. The N14's maintenance monitor warns you when scheduled service is needed. And both CENTRY and CELECT incorporate an electronic memory which records engine operating conditions whenever a fault occurs. This can greatly increase the accuracy of troubleshooting and repairs, minimizing downtime and increasing productivity.

With CELECT, you can even find out vital engine information like fuel used at idle, percentage of time spent in PTO mode, and more. Put CELECT electronics together with Cummins INTELECT™ software like INSITE™, and you'll have the most comprehensive data management package going.



# A B L E

## CONSIDER IT AN INVESTMENT

With its reduced maintenance, exceptionally low oil use, high durability and increased fuel economy, the N14 should give you the lowest total cost of any engine in its class.

**CELECT Fuel System:** The ultimate in full-authority electronic engine controls with ratings up to 525 horsepower. Comprehensive diagnostic, prognostic and programmable features are all included.

Also available from Cummins is CENTRY electronics, a cost-effective package which contains many of the programmable features of CELECT, without the diagnostic and prognostic capabilities.

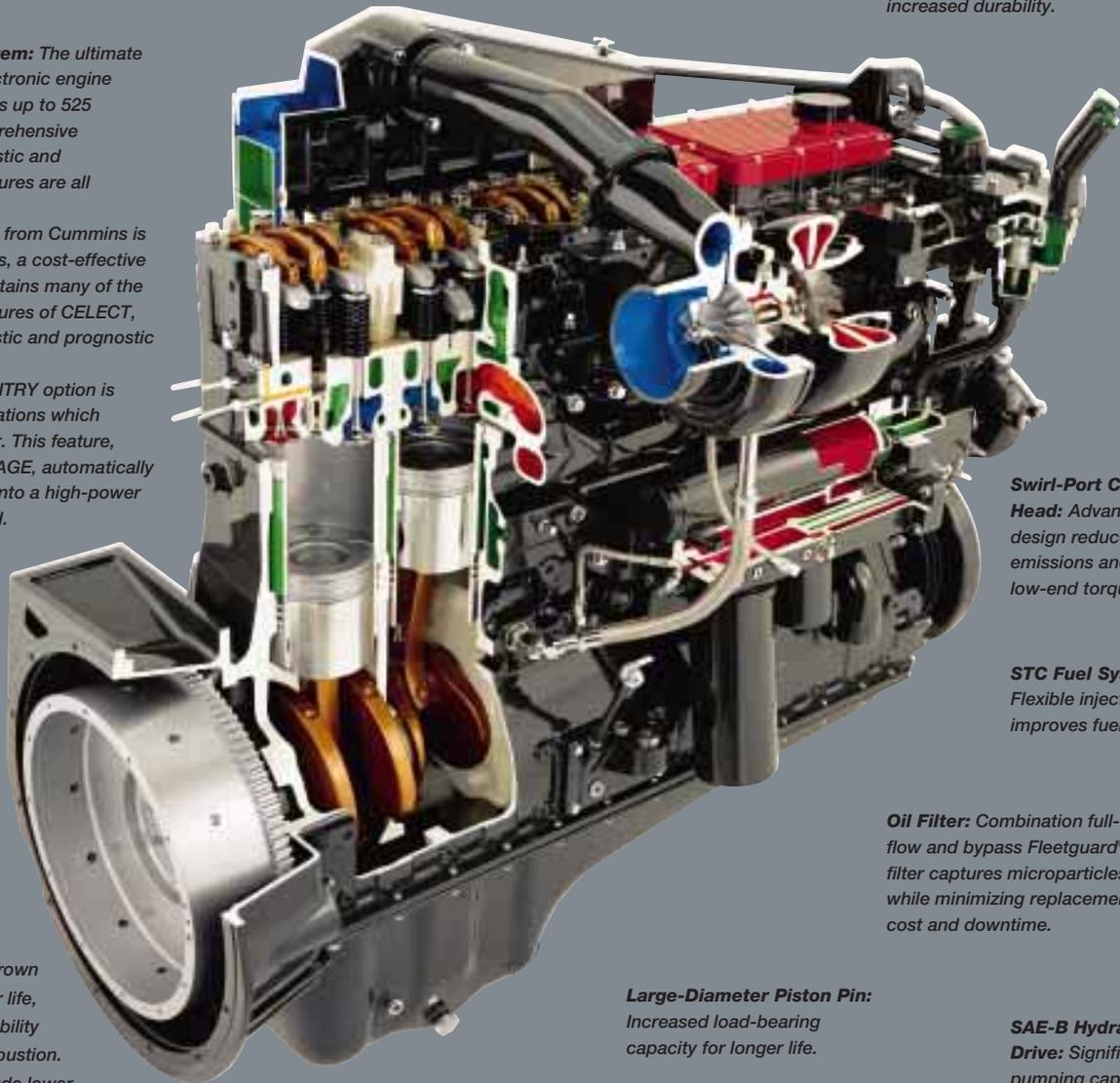
A special CENTRY option is available for applications which require extra power. This feature, known as ADVANTAGE, automatically "kicks" the engine into a high-power mode when needed.

**Articulated Steel Pistons:** The two-piece design with a forged solid steel crown delivers 30% longer life, with increased reliability and improved combustion. Other benefits include lower rebuild cost, superior oil control and high heat tolerance.

**Holset QE Air Compressor:** Reduced noise and increased efficiency can be expected with this patented ring valve head design. This option is also designed exclusively for the Cummins N14 at Holset.

**Advanced Holset HT60 Turbocharger:** Integrated engineering by Holset (a Cummins subsidiary) results in precise air management.

**C Brake™ Compatible:** Cummins C Brake gives optimized braking power, with a master piston made of space-age ceramics for increased durability.



**Swirl-Port Cylinder Head:** Advanced airflow design reduces emissions and increases low-end torque.

**STC Fuel System:** Flexible injection timing improves fuel economy.

**Oil Filter:** Combination full-flow and bypass Fleetguard® oil filter captures microparticles while minimizing replacement cost and downtime.

**Large-Diameter Piston Pin:** Increased load-bearing capacity for longer life.

**SAE-B Hydraulic Pump Drive:** Significantly more pumping capacity than competitive hydraulic drives.

**Cylinder Liners:** Precision-honed and lower press-fit for decreased upper cylinder deck wear and extra-long life.

**Connecting Rod Bearings:** 25% larger bearing surface to handle higher engine loads with ease.

# D U R A

**NO ONE BACKS 'EM  
LIKE WE DO.  
BECAUSE NO ONE BUILDS  
'EM LIKE WE DO.**

You have a reputation for getting the job done, no matter what. So do we. That's why we have the most extensive parts and service network in the world. Our technicians are experts, trained and equipped with the latest service tools. They're constantly updated on the latest advancements. These professionals are ready to respond to any emergency, at any time. Around the clock, they are there to back up the most comprehensive engine warranties in the business:

**CUMMINS THREE-STEP  
WARRANTY COVERAGE.**

Cummins standard warranty coverage is one of the best in the industry. It's also one of the easiest to understand, with just three simple steps.

**Step One:** Full coverage on all products with unlimited hours during the first year of operation.

**Step Two:** Full coverage on all products is extended for the second year, up to 2,000 hours of operation. Total hours are cumulative from the first year of operation.

**Step Three:**

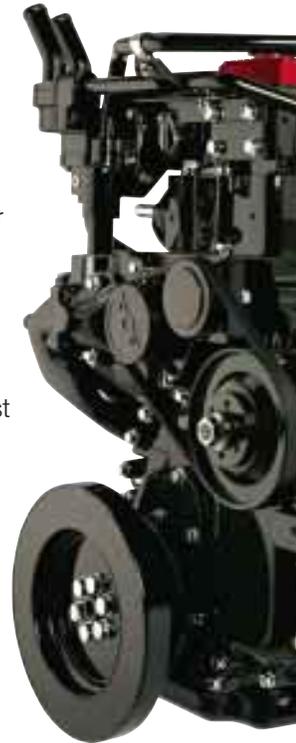
Major component coverage. Includes block, crank, cam and rods on all products for the third year, or up to 10,000 hours of operation. Total hours are cumulative from first year of operation.

**CUMMINS  
EXTENDED  
COVERAGE  
AROUND THE  
GLOBE.**

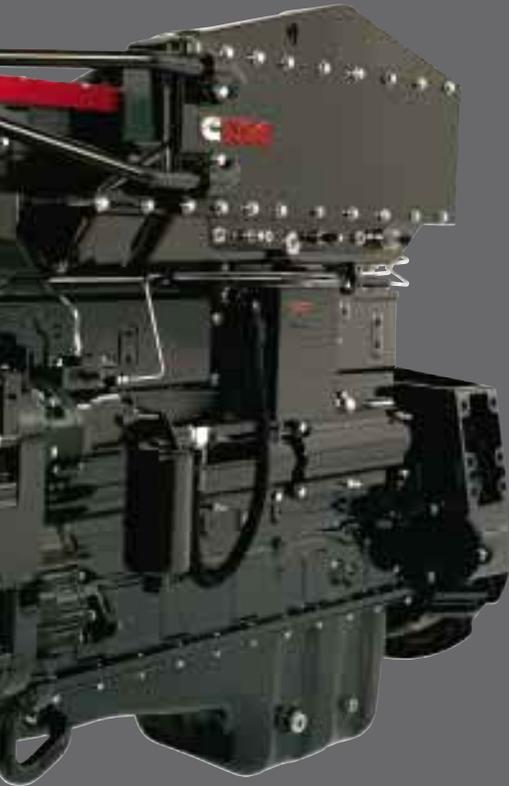
Cummins now offers ENCOMPASS worldwide extended coverage for your N14 engine. ENCOMPASS travels with your N14 engine, providing you with superior Cummins service and Genuine Cummins Parts anywhere in the world.

There are over 4,500 Cummins authorized parts and service locations worldwide. So no matter how far off the beaten path you go with your N14, Cummins will be there to take care of it for you.

To learn more about the innovative Cummins N14, see your local Cummins dealer or distributor. Or phone 1-800-DIESELS.



# B L E



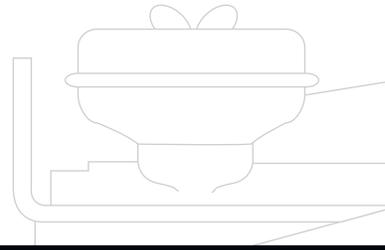
## N14 INDUSTRIAL RATINGS

| ENGINE MODEL | RATED POWER |        | PEAK TORQUE |        |
|--------------|-------------|--------|-------------|--------|
|              | HP          | RPM    | LB-FT       | RPM    |
| N14-525*     | 525         | @ 2100 | 1650        | @ 1300 |
| N14-480      | 480         | @ 1800 | 1500        | @ 1400 |
| N14-475      | 475         | @ 2100 | 1500        | @ 1400 |
| N14-460      | 460         | @ 1800 | 1500        | @ 1400 |
| N14-460      | 460         | @ 2100 | 1500        | @ 1400 |
| N14-450      | 450         | @ 2100 | 1500        | @ 1400 |
| N14-440      | 440         | @ 1800 | 1475        | @ 1400 |
| N14-430      | 430         | @ 2000 | 1500        | @ 1400 |
| N14-425      | 425         | @ 2100 | 1400        | @ 1400 |
| N14-420      | 420         | @ 1800 | 1400        | @ 1400 |
| N14-410      | 410         | @ 2100 | 1385        | @ 1400 |
| N14-400      | 400         | @ 2100 | 1400        | @ 1400 |
| N14-400      | 400         | @ 1800 | 1400        | @ 1400 |
| N14-375      | 375         | @ 2100 | 1265        | @ 1400 |
| N14-375      | 375         | @ 2000 | 1400        | @ 1400 |
| N14-360      | 360         | @ 2100 | 1215        | @ 1400 |
| N14-360      | 360         | @ 1800 | 1215        | @ 1400 |
| N14-350      | 350         | @ 2100 | 1180        | @ 1400 |
| N14-345      | 345         | @ 1800 | 1210        | @ 1400 |
| N14-335      | 335         | @ 2100 | 1130        | @ 1400 |
| N14-320      | 320         | @ 2000 | 1095        | @ 1400 |
| N14-315      | 315         | @ 2100 | 945         | @ 1400 |
| N14-305      | 305         | @ 1800 | 1033        | @ 1400 |

CENTRY IS AVAILABLE FOR ALL MODELS EXCEPT N14-525.

CELECT IS AVAILABLE FOR SELECTED MODELS.

\*CELECT ONLY.



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