



# DRIVE LINE

News and Updates From Jasper Engines & Transmissions

July 2007

## In This Issue...

### Customer Profile:

Dan's Auto & Tire  
Service **pg. 2**

JASPER Solves GM  
V6 Cam Bore  
Alignment Issues **pg. 3**

The 21st Century  
Tune-Up **pg. 4**

Two Top-10  
Outings  
for Chad  
Morgenthaler **pg. 6**

A Letter of Thanks  
From A Satisfied  
JASPER Installer **pg. 7**

## JASPER 65th Anniversary Rolling Showcase Is On The Road!

Jasper Engines & Transmissions is on the road, celebrating its 65 years of business in the automotive remanufacturing industry.

As part of this celebration, JASPER has designed a mobile marketing rig, appropriately named the "JASPER Rolling Showcase." The "Showcase" is criss-crossing the country making an appearance now through November at open house events scheduled at each of JASPER's 38 branch locations.

The JASPER Rolling Showcase is an 18-foot tandem axle box truck towing a 28-foot stacker trailer. The trailer carries the Penske-Jasper Powered NASCAR Nextel Cup show car; the JASPER Powered Vendetta V8 Custom Trike and four-player NASCAR racing simulator games. The box truck is fully loaded with product displays, a portable

generator and a portable heating/air conditioning unit to provide comfort to visitors who gather under the 540 square foot tent that attaches to the trailer during setup.

Visitors to the JASPER Rolling Showcase have the opportunity to receive a souvenir Kodak digital print of themselves in front of the trike or show car.

What began as Alvin C. Ruxer's insight 65 years ago has evolved into a company with an ongoing commitment to quality and the largest mass remanufacturer in the world.

JASPER's Mission Statement is simple: "Do It Right... And Have Fun!" For 65 years, JASPER is committed to being a leading force in the automotive industry.



**The JASPER Rolling Showcase is on the road now through November, participating in special open house events at each of JASPER's 38 branch offices across the country.**

*Be Car Care Aware™*

Published by:  
Jasper Engines &  
Transmissions  
P.O. Box 650  
Jasper, IN 47547-0650  
Phone: 1-800-827-7455  
Fax: 1-812-634-1820  
www.jasperengines.com

## Dan's Auto & Tire Service

“One of the greatest things in America is to be self-employed.” Those are the words of Dan Roos, owner of Dan's Auto & Tire Service. This family-run full-service facility near Oregon, Illinois, maintains cars, trucks and recreational vehicles. But they do much more, and each family member has a role to play in this successful business.

Dan and his wife, Nancy, have been married since 1990. Dan's father opened a gas station in April of 1949, and ran the business for 47 years when he decided to retire. Dan said he watched his father get so much enjoyment helping others that he wanted to service his customers that way too.

Dan bought out his father's business on South Daysville Road and changed its name to Dan's Auto & Tire Service in 1989. Dan then moved the business to its present location at 1007 West Pines Road.

Dan has three sons which all work at the shop: Josh runs the service desk, Travis is the tire and lube technician, and Jeremy manages their Mother's car wash business, Nancy's Car Wash. They also operate 'My 3 Sons Storage' an on-site self-storage facility.

What started out as a three-bay facility with 1,100 square feet of work space, Dan's Auto & Tire Service has grown to a 6,600 square foot shop with eleven service bays. This also includes a 30 foot by 42 foot office and lobby area for customers. There are eleven technicians that work at Dan's Auto & Tire, including one ASE-Certified Master



**Dan's Auto & Tire Service is also home to Nancy's Car Wash (named after his wife), and My 3 Sons, a self-storage facility.**



**From gas station, to full-service facility, the Roos legacy continues to grow at Dan's Auto & Tire Service.**

Technician. Dan says the other technicians are pursuing certification, and they are encouraged to attend seminars and other training, to help stay on top of the latest advancements in automotive technology.

Since 1999, Dan's Auto & Tire Service has been an installer of JASPER remanufactured engines, automatic and manual transmissions and differentials. "JASPER provides me with fast, courteous service," says Dan. They do quality service and stand behind their product. Dan added he appreciates JASPER's customer support and a factory service representative who is gracious and informative.

Because Dan's Auto & Tire Service has been in business for so long, they feel they have an advantage over the competition. "Our competition in the area doesn't offer quick turn-around service," says Dan. We are able to offer competitive pricing and, most importantly, JASPER products."

"The customer is the boss," says Dan. "We need to get the job done right the first time, and be honest about our work."

Recently, Dan's Auto & Tire Service remodeled their customer waiting room for added comfort. And the Roos are currently training their sons so that down the road, they can take over the business, and continue on with the Roos' legacy.

# JASPER Solves GM V6 Cam Bore Alignment Issues

Some early 1990-2000 GM V6 engines (2.8L, 3.1L, 3.4L) are prone to camshaft failure. These engines spin the cam bores out, and the camshaft eventually breaks.

“Many customers believe the problem is a defect in the camshaft, but it’s really a defect in the cam bore of the block,” says Eric Bakke, JASPER Quality Control Captain. “JASPER has seen many alignment issues where cam bore alignment from front to back is off by as much as .020 of an inch.”

When GM installs the cam bearings, they first install the bearings, then align bore the bearings to fit the camshaft. However, JASPER’s method of remanufacturing eliminates cam bore alignment issues before bearings are installed.

JASPER mounts the block into a CNC-controlled align boring machine with a four-cutter boring bar. “When our work is finished, the two center sections



**The CNC-controlled align boring machine eliminates cam bore alignment issues on the GM V6 engine before bearings are installed.**



**The CNC computer keeps track of the align boring process.**

of the cam bore are one size, while the outer bores are .010 larger,” says Bakke.

This family of V6 engine does not utilize a typical GM block, where an open intake valley allows easy installation of the cam bearings in the center sections. “If the bores were all the same size, we could not get the bearings into the block,” says Bakke.

Once the block is mounted onto the machine, it takes about ten minutes for

the Associate to set up the boring bar, and about five minutes for the machine to complete the task.

Bakke stressed this process is not done to each application, but on an as-needed basis. “Each block is inspected 100%,” says Bakke. “All defective blocks are line bored to correct original misalignment issues and repair the damaged bore.”

---

## Get Your Entries Ready for 2008 Calendar Contest

Do you have a vehicle that is calendar worthy? It’s a question that we pose to our readers each year. Well, it’s time once again for Jasper Engines & Transmissions to seek quality color photographs of vehicles and equipment in which a JASPER gas or diesel engine, transmission, differential or stern drive has been installed, for its 2008 Calendar Contest. Photo categories are unique vehicles and performance oriented cars and trucks.

Entrants must submit a color photograph (35mm or larger) and information about the vehicle along with the JASPER remanufactured product that

has been installed. Vehicles should be placed in a “show” type setting when photo-graphed. Polaroid pictures and low-resolution digital images transferred onto photo paper *cannot* be accepted. High-resolution digital images, 8” x 10” at 350 dpi are acceptable.

Every qualified entrant will receive a hat autographed by Ryan Newman. All entries will be judged based on adherence to the category, equipment appearance and the quality of the photograph. Winners will be required to sign a release consent form for photograph and name publication.

All entrants whose work appears in

the calendar will receive a \$100 gift certificate which can be used to purchase JASPER remanufactured products or wearable items, 24 complimentary calendars and a special JASPER Gift Package.

The entry deadline is September 30th, and is open to all JASPER customers, distributors and Associates. Entries should be mailed to:

**Jasper Engines & Transmissions  
P.O. Box 650  
Jasper, Indiana 47547-0650  
Attn: Roger DeMoss**

## 8.1L GM Marine Engine Available From JASPER

Jasper Engines & Transmissions, the nation's leader in remanufactured drivetrain products, makes available the 8.1L (496 CID) GM engine for marine applications.

The 8.1L engine is available on a custom remanufacturing basis for the following 2001-06 marine applications:

- Mercruiser
- Volvo-Penta
- Flagship-Marine
- Indmar-Marine
- Marine-Power
- Pleasurecraft
- Crusader-Marine

Each of these engines carries JASPER's 18-month parts and labor warranty.

Log onto [www.jasperengines.com](http://www.jasperengines.com) or call 1-800-827-7455 for more information on these and other products from JASPER.

## The 21st Century Tune-Up



Times are changing... cars are changing. One of the biggest changes in today's automotive industry is the perception of a "tune-up." Ask ten vehicle owners their definition of a tune-up, and there will be ten different answers. The classic "tune-up" was once the heart of the automotive business and contrary to some beliefs, today's modern vehicles still need tune-ups to keep them performing at the most efficient levels.

The tune-up was historically associated with routine replacement of key ignition system parts like spark plugs and ignition points, along with some basic adjustments to help "tune" the engine. Mounting pressure for increased fuel economy and lower emissions drove car manufacturers to adopt electronics and do away with ignition points in the '70s, along with the carburetor in the mid '80s. This eliminated the need for the replacement and adjustment of a growing number of ignition and fuel system parts.

As the pace of technology quickened, the procedures required to perform a traditional tune-up changed dramatically. Highly sophisticated ignition and fuel systems are now the norm, using one or more onboard computers to control critical engine and transmission management functions. Things that were once handled mechanically are now controlled electronically through the widespread use of onboard computer technology.

*(continued on page 5)*

---

## JASPER Becomes Support Sponsor for Museum Exhibit

Jasper Engines & Transmissions has been named a support sponsor for an upcoming exhibit at the Indiana State Museum in Indianapolis.

This new exhibit, entitled "Speed", will be on display at the museum between October 13th, 2007 and January 21st, 2008.

"Speed" will be a 6,000 square foot exhibit delivering visitors into the world of limit-stretching and barrier-smashing motion. Using examples from race cars, planes, boats and other vehicles, the 21 interactive hands-on components of "Speed" will illuminate the concepts of acceleration, horsepower and friction through five areas:



Push, Go, Zoom, Drag and Stop.

Packed with hands-on components and interactive media, "Speed" draws inspiration from the world of sports, entertainment and cutting-edge research. Visitors to "Speed" can compete against one-another in a drag

race. They can discover how much horsepower a person can create using a stationary bicycle; study the effects of instantaneous deceleration, or dig into the physics and mathematics that impact speed in real situations.

(continued from page 4)

Because vehicles have changed so much over the years, the Car Care Council has introduced the 21st Century Tune-Up. This program is designed to help redefine and educate motorists as to what a tune-up should consist of on today's modern vehicles.

"There is a misconception that today's modern vehicles don't need tune-ups because they never break down, but that simply is not true," says Rich White, Car Care Council Executive Director. "If you're at work and your computer goes down, you can't get any more work done. It's the same with your vehicle. If it isn't properly maintained, you're not going to get where you want to go.

As part of the 21st Century Tune-Up on today's Modern vehicles, the following systems should be inspected:

- Battery, Charging & Starting
- Engine Mechanical
- Powertrain Control (including onboard diagnostic checks)
- Fuel
- Ignition
- Emissions

Vehicle owners ask for tune-ups for a variety of reasons, including improving performance, maintaining reliability, planning a vacation, preparing for winter or summer, or because they're giving the car to a friend or family member.

To help ensure good performance, fuel economy and emissions, the Car Care Council also recommends that motorists take the time necessary to become familiar with their vehicle in every aspect. Study the owner's manual to become thoroughly acquainted with the operation of all systems. Pay special attention to the indicator lights and instruments.

"The 'Be Car Care Aware' campaign is about helping motorists make informed decisions about their vehicle's care and maintenance," says White. "With the 21st Century Tune-Up, we will continue to help vehicle owners

make great strides in reducing vehicle neglect.

A new brochure is available that familiarizes motorists with the opportunities for preventive maintenance in and around their vehicle. The brochure contains information about the "Be Car Care Aware" campaign, a full-size schematic of vehicle parts, components and maintenance recommendations.

For more information, visit:

[www.carcare.org/Industry/BCCA\\_brochure.shtml](http://www.carcare.org/Industry/BCCA_brochure.shtml).



## **JASPER Makes Available 4.8L, 5.3L, 5.7L & 6.0L Gen III GM Engines**

Jasper Engines & Transmissions, the nation's leader in remanufactured drivetrain products, has added additional engines to its already broad line, with V8 GM engines for late model applications.

These new GM offerings are the 4.8L, 5.3L, 5.7L & 6.0L Gen III gas engines.

The 4.8L engine is available for the following applications:

- 1999-06 Chevy/GMC truck, SUV & van applications with CNG
- 2005-06 Chevy/GMC truck, SUV & van applications Gas/Flex-Fuel

The 5.3L engine is available for the following applications:

- 1999-06 Chevy/GMC truck, SUV & van applications with CNG
- 2005-06 Chevy/GMC truck, SUV & van applications Gas/Flex-Fuel
- 2005-06 Chevy/GMC truck applications, L33 engine (Aluminum block & heads) Gas/Flex-Fuel

The 5.7L engine is available for the following applications:

- 2004-05 Cadillac CTS-V LS6 (Custom only) Aluminum block & heads
- 1998-01 Indmar-Marine LS1 (Custom only) Aluminum block & heads

The 6.0L engine is available for the following applications:

- 2005-06 Chevy/GMC truck, SUV & van applications Gas/Flex-Fuel
- 2001-06 Chevy/GMC truck, SUV & van applications with KL5 (CNG) option
- 2003-06 Chevy/Isuzu W4500 & NPR applications Gas/Flex-Fuel
- 2003-06 Chevy/Isuzu W4500 & NPR applications with KL5 (CNG) option

Each of these engines carries JASPER's 36 month, 75-thousand mile nationwide parts & labor warranty, whichever comes first. (*Ambulance, automotive off-highway use, package delivery, police, snow removal, taxi, tow truck, or any vehicle over 1 ton, 18 months or 75-thousand miles, whichever comes first.*)

Log onto [www.jasperengines.com](http://www.jasperengines.com), or call 1-800-827-7455 for more information on these and other products from JASPER.

## Two Top-10 Outings for Chad Morgenthaler



**Look for more fishing tips with Chad Morgenthaler in future Newsletter issues, and on the JASPER website: [www.jasperengines.com](http://www.jasperengines.com).**

JASPER Professional Angler Chad Morgenthaler backed up his top-10 outing in April with a 6th place finish at an FLW Tour Event May 17th - 20th on Beaver Lake in Rogers, Arkansas.

At the beginning of practice, Morgenthaler noticed a few fish in the mid lake area still on beds, but for the most part, the majority of fish were post spawn. "Normally, Beaver Lake fishes very tough during these conditions because the fish suspend and school over deep water," said Morgenthaler. "The schooling fish were very unpredictable and difficult to catch."

During the morning of day one, Chad targeted a school of large spotted bass in the mid lake area with finesse techniques and top water baits. During the afternoon, he moved closer to the lower end of the lake and switched to only finesse fishing. For the second day he repeated day one's morning bite. But in the afternoon, Chad switched to creeks in the mid lake that were littered with cedar trees. This technique produced a three pound plus large mouth "kicker" fish that was needed to make the top-10 cut.

During the final two days of competition, Chad repeated his morning bite in the mid lake area. During the afternoons he targeted cedar trees and docks located in the lower end of the lake. "On the last day I was unable to get the quality of bites needed to win," said Morgenthaler, "but all in all I'm very satisfied with my tournament finish."

Weather: Sunny and warm with light and variable winds; water temperature 75 degrees.

Rig: In the morning I used a Reaction Innovations Vixen coupled with a War Eagle Front Runner. I also used a bone colored Bomber Long A. In the afternoon I used a Reactions Innovations Flirt and a Berkley Shakey Worm, both in green pumpkin on a 3/16 oz ball head jig. Kistler Helium LTA 7'6" Medium Heavy action spinning rod with an Abu-Garcia 804 spinning reel. Maxima 6lb & 8lb Fluorocarbon Line.

Tournament Finish: 6th place with a total four-day weight of 31lbs.

JASPER Professional Angler Chad Morgenthaler came up with a 4th place finish at the Toyota Texas Bass Classic April 13th -15th in Lake Fork, Texas.

"This was an absolutely awesome tournament and my hat goes off to the PAA (Professional Anglers Association) and all the sponsors for putting on such a great event," said Morgenthaler. "I would also like to thank my fellow team members David Dudley, Mike Hawkes and Darryl Burkhardt for an outstanding job strategizing together and securing a 4th place finish."

The team decided after two official practice days to target staging fish rather than spawning fish. "We felt this strategy gave us the best advantage due to time restraints and the incoming bad weather," said Morgenthaler. "We fished main lake points and drains with a combination of stumps and grass."

The most productive technique for the team was a drop shot rig using a four to six inch finesse worm in six to 12 feet of water. The primary fishing area held for two days, but on the third day the team had to fish new water.

Weather: 1st day wind 15 mph Southeast very cloudy and cold. 2nd day winds changed and blew out of the Northwest at 15-30 mph... very cold. The 3rd day was calm and sunny with a high of 75 degrees.

Rig: Berkley finesse worm in green pumpkin. Kistler Helium LTA 7'6" Heavy Action Rod with Abu-Garcia Revo Reel, 15lb Maxima fluorocarbon line.

Tournament Finish: 4th Place with a total combined weight of 194lb, 0oz.

### Finesse Fishing in Deep Lakes

These days bass anglers are crazy about finesse fishing in deep clear lakes. I like to use a 7' Kistler Helium LTA medium spinning rod spooled with 6-8 pound Maxima fluorocarbon line. I'll tie on a 1/8 ounce ball-headed jig or a shaky head, then thread a 6" finesse worm, in a natural color, onto the head. I also like to hook the worm weedless.

Cast the bait onto structure or long tapering points. Allow the bait to sink and sit on the bottom. Then use your rod to shake, or short hop the bait. The main key to remember is to allow the bait to sit on slack line.

This technique is great year-round for all species and works especially well during tough conditions.

## JASPER's Fully Customized E-Commerce Portal

Did you know you can get online pricing from JASPER's web site? Log into the E-Commerce Portal and click on 'Go Shopping'. You can find the price for the unit you need either by application, or by entering the VIN number of the vehicle. It's fast! It's easy! And you can even print out a customized quote sheet to give to your customer.

In addition, you can place orders online, as well as check account information, history, inquiries, invoices, and warranty cases. Customers can also see outstanding cores and schedule them for pickup, all within the Portal.

If you haven't already, go to [www.jasperengines.com](http://www.jasperengines.com) and create a user name and password profile for your account to use on the Portal and log on. Access to the Portal will be available through both the 'Installer' and 'Fleet' links on the left toolbar of the site, and the existing 'Find A Price' area of the site for Installers and Fleets.



**JASPER's Fully Customized E-Commerce Portal allows you online pricing, online ordering, and account information. Create your account today!**

---

## A Letter of Thanks from A Satisfied JASPER Installer

To all at Jasper Engines & Transmissions:

I am an independent shop owner who found Jasper Engines & Transmissions through a direct mailer in 2004. I used the product and was very impressed with the quality and completeness of the products I purchased. I felt these engines and transmissions were better than the dealer. I was sold on the products offered by JASPER.

Sometime in 2006, an outside sales representative named Rob Keenan came to my shop and introduced himself. I was very impressed with the professionalism he projected. I felt it was a direct reflection of your products. He came back a few months later and told me about touring your facility. I was all for it. But when it came time to go, I did not really want to take time away from work, home, etc. I was already committed, so I went anyway.

The minute we all met at the airport, Rob gave us all a sack breakfast that his wife put together for us. I thought this was very thoughtful. He was very personable and pleasant to be around. We landed in Kentucky and he proceeded to take us to dinner. We went to a nice steakhouse and Rob bought us whatever we wanted. The next day, we started the tour. I was very impressed with the staff at both facilities and especially the cleanliness of the work areas. Every Associate that I met or saw would smile and say, "Hi!" I thought that was a very nice touch.

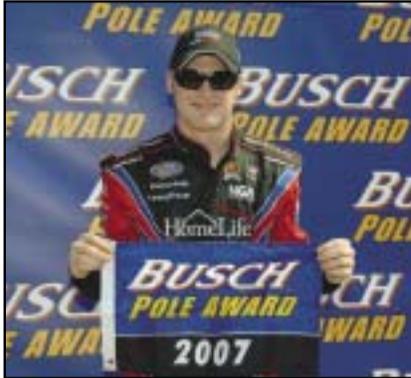
We then went to the Go-Kart track and had a really good time. We then drove back to Kentucky and stayed at a really nice hotel near the airport.

We flew back to California. Rob was one of the first to get his luggage from the baggage claim. Even though I am sure he wanted to get back to his family (his son was having medical complications at this time), he waited 20 more minutes until everyone had their luggage. He shook everyone's hand and was just as energetic as he was at the beginning of the trip. I was very impressed. To top it off, I found out that this was his first time taking a group on a tour.

I now feel that I am sold on your products more than ever. I will continue to use Jasper Engines & Transmissions for all my powertrain needs. I had a very pleasant trip and I am very glad I went. I want to thank Rob Keenan, Gayla Steffe (our tour guide), and the Associates of JASPER for making this experience possible for me.

Joshua Tomlin,  
Owner  
Advantage Automotive  
Temecula, California

## Steve Wallace Earns First Career Busch Series Pole



**Steve Wallace started his #66 Jasper-Powered Dodge on the pole for the Sharpie Mini 300 at Bristol, Tennessee, in March.**

19 year-old RWI Racing driver Steve Wallace earned his first career NASCAR Busch Series pole in March at Bristol Motor Speedway in Tennessee.

Wallace toured the .533 mile concrete oval in 15.303 seconds (125.387 miles per hour) to earn the pole for the Sharpie Mini 300. His first career pole came in what was only his 24th NASCAR Busch Series qualifying attempt.

Wallace's #66 Homelife Communities RWI Racing Jasper-Powered Dodge Charger was the 35th of 43 cars to make a qualifying attempt and he earned the pole with the first of his two laps.

"For us to go out there with me as a rookie driver and beat guys like Dale Jr., Kevin Harvick and Carl Edwards is really saying something," says Wallace. "Heck, I think there were over 20 NEXTEL Cup drivers in the field."

## The E-Commerce Portal Drawing

The ability to order JASPER products on the Internet has been available for some time. Although we've seen a steady increase of orders placed this way, we would like to reward you for placing orders in this manner.

Beginning July 1st, 2007, when you order through JASPER's fully-customized E-Commerce Portal, your business will be entered into a monthly drawing. Winners will be announced and you will have the choice of:

- One day of deep-sea fishing on the Gulf of Mexico for one person (includes lodging).
- Two race tickets & hospitality at one of the JASPER NASCAR Incentive Races in 2008 (lodging NOT included).
- A \$400 rebate coupon to be used towards future JASPER purchases.

Transportation to and from all activities is the responsibility of the winner.



Prst. Std.  
U.S. Postage Paid  
Permit 249  
Jasper, IN 47546



JASPER ENGINE AND TRANSMISSION EXCHANGE  
815 Wernsing Road · P.O. Box 650 · Jasper, IN 47547-0650  
e-mail: sales@jasperengines.com  
www.jasperengines.com