



Paw Prints

VOLUME 7 ISSUE 3

Letter from the Editor - Kevin Russo

SPECIAL POINTS OF INTEREST:

- ZDP in Engine Oil
- Club Holiday Party!

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Spring! Yep you heard me! Spring! It's almost here! Are you ready for it? Is your GTO ready?

Mine is not! Well, really, all I need to do is get my newly restored window and drip rail trim put back on and acquire and install a couple other trim pieces. The car is waiting to roar to life and hit the road and I can't wait!

What project did you do over the winter? Engine work? Interior work? Tear into it with vigor? Or just put it away and you'll detail it come the nice weather? Whatever it is, you better wrap it up soon! Although you will be getting this edition of your Paw Prints in

early March, spring is at no far away! Less than a month!

Come out with us! We go to many local events just about every weekend! We are also planning another spring club cruise. A lot of ideas came out at the February meeting for destinations. Look for more information soon!

Don't forget our Swap Meet on March 20! If you can help out and haven't signed up yet for a shift on a particular job, contact our President Ron Cozzo to find out how you can help out!

Plans are heavily underway for our Summer Nite 2 Cruise-In and Annual All Pontiac Indian Uprising too! Even further, we

are committed to also having another cruise night at the Big Walnut Grill this year! We'll need all the help we can get to pull these great events off!

This club thrives because of it's members! It's the best bunch of great people you will ever find! So don't just sit back and take it easy this season! Get involved with YOUR club!

In this edition, check out the pictures from our holiday party! Thanks to Mike Berichon for not only hosting the party but also providing the band! They were great!

See you soon! (Like at the March Meeting!)

—Kevin



By Art Fitzpatrick

The Continuing Fight Over ZDP in Modern Engine Oil by Steve Schaeffer

The February 2016 issue of “Journey With Olds” magazine has an article submitted by Jerry Garfield and written by Bob Oiree, GM Powertrain Fuels and Lubricants Group. Their test results are based on two tests performed in SAE document # 2004-01-2986 titled “how Much ZDP is Enough?”

Zinc dithiophosphate, ZDP, is an anti-wear additive in motor oil that has been in use since the 1950 's to prevent scuffing and wear in engines with flat tappet camshafts. Hydraulic lifter flat tappet camshafts were factory installed in all of our classic muscle car engines. Around 2005 they found that the ZDP in motor oil was poisoning the exhaust catalysts in new cars. Since all the new cars by then were using roller tappet camshafts, which don't have the wear problems that flat tappet camshafts had, the oil manufacturers reduced the amount of ZDP in their products without any notification to the public.

Two valve-train wear tests were performed. Sequence IVA tests for camshaft scuffing and wear using a single overhead camshaft 2.4 liter Nissan engine with slider cam followers. Sequence IIIG test was done to evaluate wear using a 3.8 GM V-6 engine with a flat tappet camshaft. Their conclusion was that modern oil is safe to use in older car engines.

This turned out to be flawed testing. A muscle car engine running a high performance after-market flat tappet camshaft uses considerably more valve spring pressure than a stock Buick V-6 or a SOHC Nissan 4 cylinder. Without the former high levels of ZDP the camshaft manufacturers had a high level of failures until they figured out what was causing the problem.

Naturally I found out about this the hard way. I have been building engines since the early 1960 's. Until they reduced the amount of ZDP in motor oil I only had one camshaft failure. That was in an early Olds Rocket V-8 running an early Isky RR2 roller camshaft. The roller tappets were not locked together with a solid link bar like they are now. We bent a push rod allowing the lifter to run sideways on the camshaft with tragic results.

Several years ago I built a 434 cubic inch Pontiac street strip engine. I was using a high performance hydraulic lifter flat tappet camshaft with performance upgraded valve springs. I had 125 pounds of seat pressure and 325 pounds over the nose. The engine was assembled with the proper moly lube on the camshaft lobes and the bottoms of the lifters. It was properly pre lubed before firing. The new cam was properly broken in for ½ hour running it between 2,000 to 2,500 rpm without letting it idle. I then changed the oil and filter. In less than 100 miles the camshaft wiped out several lobes. There was enough metal in the oil to require a complete tear down. I had to have the block hot tanked all over again and do a complete rebuild.



The Continuing Fight Over ZDP in Modern Engine Oil

The camshaft manufacturer and the machine shop both attributed the failure to the lack of ZDP in the oil. After I rebuilt the engine I used Brad Penn break in oil which has a high level of ZDP. I now use Brad Penn Grade 1 SAE 10W-40 in all my muscle car engines. It is a partial synthetic high performance motor oil that contains high levels of zinc/phosphorous, ZDP.

During that same time period I also disassembled another Pontiac 428 engine to repair a noise that turned out to be a bad wrist pin and connecting rod. That engine had an aftermarket Ram-Air IV camshaft in it. When I inspected the camshaft it too had a lobe going flat on it. We replaced the camshaft and lifters and cleaned and checked everything else.

At the Performance Racing Trade Show in Indianapolis I picked up a new Crane Cams Catalog and a new Comp Cams Catalog. The new Crane Cams master catalog on page 285 has a full page of information and products for engine assembly, break in, and running. Quote, " Once your flat faced camshaft is properly broken in, you should continue to use a performance type ZDDP content oil for the remainder of the engine 's life, to ensure longevity.

The Comp Cams master reference guide has 2 pages of lubricants. See page 234 and 235. The Comp Cams catalog says, " Due to government regulations, in recent years oil manufacturers have removed zinc and many other additives from their motor oils. Using one of these " off -the-shelf brands of oil during the critical break-in process can lead to failure. " I could have saved a lot of money if I had known about this several years ago.

Both Jeg 's and Summit Racing have many brands of motor oil for high-performance, highly stressed, street and racing engines. All of these oils contain a high concentration of ZDP to provide outstanding anti-wear/anti-scuffing protection. Modern motor oils for everyday cars do not have enough ZDP in them to protect a high performance engine with high valve spring pressure. It is not a myth that new oils will not work in a high performance older engine unless they are running a roller camshaft. They do seem to work fine in a stock well broken in older V-8 engine though.





2016 Club Holiday Party



GTOACO Donation to Prevent Blindness

2015 was a good year for our club! Thanks to the 50/50 raffles at our Battle of the Brands Cruise-In and the silent auction at our All Pontiac Indian Uprising, we were able to make a significant donation to our adopted charity. Prevent Blindness of Ohio. At our club holiday party, a large check of \$1000.00 was presented to Sherry Williams of Prevent Blindness.

Thanks to Jeff Inskeep for providing the huge cardboard check for the presentation! Thanks for all your great work that enable us to make such a donation! Below Mike Shockley, our treasurer, and Ron Cozzo, our president, present the check to Sherry.



That's one GRREAT BIG Check!!

Tiger Bites! - Noteworthy News Bites

- ◆ **NOTE FROM THE CLUB SECRETARY:** Attention club members! The secretary will no longer be mailing club dues notices. Instead, you will receive an email and members owing club dues will be listed in the meeting minutes in the Paw Prints.
- ◆ **2016 All Pontiac Swap Meet March 20, 2016**— The swap meet will be held at Dennis Hyundai of Easton 2900 Morse Rd, Columbus, OH 43231. We began signing up volunteers at the January meeting. We will complete volunteer signup at the February meeting. Contact Ron Cozzo if you cannot attend and want to volunteer.
- ◆ Our club will be co-hosting the Columbus Hot Rod and Custom Car Show in January 2017. Club members will be asked to help with this event. Look for more details here and at club meetings.
- ◆ If you need to renew or are thinking of renewing your **GTOAA membership, please do so** to ensure our club remains a valid GTOAA chapter with all the benefits of that status. There is an application in your Paw Prints below and the GTOAA can now take membership applications on line.



Welcome New Members!

- ◆ Christine Edwards of Plain City owns a 1967 Baja Red GTO. She is interested in networking to car for her car.
- ◆ Jay DeLuca and his wife Amy of Gahanna have a 1973 Cameo White Firebird Trans Am. They like to cruise, auto cross, car shows and driving.

Meeting Minutes February 10, 2016



President Ron Cozzo called the meeting to order. Those in attendance were Austin Cozzo, Jeff Frazier, Kevin Russo, Pam & Stan Farlow, Mike Shockley, Lonnie McLaughlin Shawn Rinehart, Carolyn & Ed Slone, Max Treier, Jeff Gerard, Ron & Donna Landis.

Treasurer's Report: Mike Shockley gave the Treasurer's report. Jeff Frazier made a motion to accept the minutes and Kevin Russo 2nd.

GTOAA Chapter Survey - Club has 42 GTOAA members making our chapter 61% with the GTOAA.

GTOACO Bylaws –By Laws and Constitution Committee Formed. Mike Berichon will be chairman and the committee will consist of the Board of Directors. They will collect all the information and draft it.

Winter Party February 6th at 6:00PM - What a great time. 70+ members showed up for a fun night. Thank you Mike Berichon for hosting. Sherry Williams was given a check for Prevent Blindness. Twila Hartley and Nancy Stone it was good to see you girls and let's not forget it was great seeing Doug Boyle. Good food and good conversation along with some great music.

All Pontiac Swap Meet: March 20th, 2016 at Dennis Hyundai of Easton. Ron circulated the signup sheet again.. Ron will be there between 6:15 & 6:30. Open to the vendors at 7:00. Need help to set up table for club. Will need to people at the front and back door and 3 to handle the floor. Kevin Landis has the food vendor and Kevin Russo will send out an e-mail letting anyone who wants to get up early where breakfast will be.

August All Pontiac Show: Saturday August 20th and Sunday August 21st. Looks like both events will be held at the Crown Plaza Hotel in Dublin. We just need to commit to 20 rooms. Rooms are \$109.00 and that includes breakfast. Plenty of trailer parking and plenty of parking for both shows. Ron will get with Rick Farrell on a band. The hotel has a stage. For Saturday registration will be 3-7. Awards at intermission of the band. Lonnie McLaughlin will get any permits. The hotel will serve beer and wine and may food. Still working on that. The show on Sunday will be our normal Pontiac Show. Brian and Mike will both DJ. Ron Cozzo and Kevin Russo will work on getting a flyer together. Lonnie McLaughlin and Kevin Russo will co-chair the Saturday show.

Cruise In at Big Walnut Grille and Jet's Pizza: Brian D'Amico to work out a date for this show.

Meeting Adjourned: Kevin Russo, 2nd by Jeff Frazier

Submitted by Donna Landis, Secretary

Meetings held
the 2nd
Wednesday
each month
Dennis
Hyundia on
Morse Road.

DUES FOR MARCH - Jerry Bales, Dana Huff, Tyler Sims

DUES FOR FEB - Mark Bukowski, Roy Hess, Lonnie McLaughlin

DUES FOR JAN - Leah Ferron, Thomas Sefrick, Richard Whaley

Dues still due for Oct - Steve Corvi

Dues still due for Sept - Mark Jones

Dues still due for Aug - Lance Hudnell, Mark Willis

Dues still due for July - Geoffrey Ludwig, David Price

Please mail dues to Donna Landis, 58 Arlington Ave., London Ohio 43140



Meeting Agenda - March 9, 2016

- Treasurer's Report - Mike Shockley
- All Pontiac Swap Meet, Mar 20 - Ron
 - Dennis Hyundai of Easton
 - Volunteer sign up schedule
- Spring Cruise - April 30th? - Stan Farlow
- Cruise-In and All Pontiac Show, Aug 20th and Aug 21st
 - Crowne Plaza, Dublin - \$109/night
 - Co-Chairs, Kevin Russo and Lonnie McLaughlin
 - Schedule
 - Flyer Drafts
 - Band Status - Rick Farlow
 - Task List
- ◆ Big Walnut Grille and Jet's Pizza Sunbury Cruise-In
 - ◆ Date - Brian D'Amico
- ◆ Summit Racing Equipment Hot Rod & Custom Car Show
 - ◆ January 27, 28, 29, 2017 Co-hosted by the GTOACO at the Greater Columbus Convention Center
- Open Discussion
- Motion for Adjournment

Calendar of Events

March 9, 2016

Regular Club Meeting 7pm @ Dennis Automotive 2900 Morse Rd Columbus, OH
5:30pm pre-meeting dinner @ Smokey Bones Bar & Fire Grill, 3939 Morse Crossing, Columbus, OH 43219

March 17, 2016

Happy St. Patrick's Day!

March 20, 2016

GTOACO All Pontiac Indoor Swap Meet @ Dennis Automotive

March 27, 2016

Happy Easter!



MARCH 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9 <i>Club Meeting 7pm@ ???</i>	10	11	12
13	14	15	16	17 <i>Happy Saint Patrick's Day</i>	18	19
20 <i>Swap Meet @ Dennis Hyundai</i>	21	22	23	24	25	26
27 <i>HAPPY EASTER</i>	28 	29	30	31		

For Sale

- ◆ DJ GTO Parts! Now your one stop shopping place for used and NEW GTO parts. If you know the part number, great, otherwise just let them know what it is you need! See Dan Gregory Jr. (or call 614-563-0877 or email info@djgtoparts.com) for more information and options for taking delivery of your parts or visit their website at <http://djgtoparts.com/>. GTOACO members receive a discount!



- ◆ *I will rebuild your Muncie '64 to '74, or Borg Warner T-10, '57 to '65 or GM Super T-10, '75 to '81 4 speed transmission for \$375.00 including the following parts that are necessary to freshen up a worn, high mileage unit.*
Synchronizer Rings, Case Bearings, all small parts, Spacers, Snap Rings, Needle Bearings, Thrust Washers, Strut Keys & Springs, New counter shaft, Gaskets, Bushings, and Seals.
I also have new and used gears, cases, side covers, tail housings, etc. available.
Steve Schaeffer, Retired A.S.E. certified mechanic, Lancaster, 740-654-8959 or 740-215-0126.
I also build Ford Top Loaders '64-79 passenger car, overdrive and regular, as well as Chrysler A833 4 speeds. Parts on Ford and Chrysler transmissions are slightly higher.



Send in your items for sale to your Paw Prints Newsletter Editor (pictures welcome).

Remember, ads are FREE to GTOACO Members!



**APPLICATION FOR MEMBERSHIP
GTO ASSOCIATION OF CENTRAL OHIO**

Name: _____ Date: _____

Address: _____ City: _____ State: _____ Zip: _____

Home Phone: _____ Cell Phone: _____

Occupation: _____ E-mail Address: _____

Membership Dues are \$20/year for email Paw Prints delivery, or \$30/year for postal delivery.

(Check One)

RECEIVE OUR MONTHLY NEWSLETTER, THE PAW PRINTS

BY EMAIL (COLOR PDF) \$20

OR POSTAL MAIL (BLACK AND WHITE) \$30

MAKE CHECKS PAYABLE TO: **THE GTO ASSOCIATION OF CENTRAL OHIO**

SEND TO:

DONNA LANDIS
58 ARLINGTON AVE.
LONDON, OH 43140

Web Site www.gtoaco.com

740-506-5804
E-MAIL ADDRESS
SHARKLANDIS@NETSCAPE.NET

YOU A MEMBER OF THE GTO ASSOCIATION OF AMERICA # _____ Date Expires _____

SPOUSE'S NAME : _____

CHILDREN: _____

YEAR, COLOR AND STYLE OF GTO (s) OR PONTIAC (s) CURRENTLY OWNED:

WHAT ACTIVITIES WOULD YOU BE INTERESTED IN? _____

OPTIONAL:

WRITE A SHORT STORY ABOUT YOURSELF, FAMILY, OCCUPATION, HOBBIES AND HOW YOU GOT INTERESTED IN GTO'S. IF YOU HAVE ANY PICTURES OF YOUR CAR SEND THOSE ALSO. THIS INFORMATION WILL BE USED IN A COLUMN IN THE PAW PRINTS FEATURING MEMBERS. IT IS A GOOD WAY FOR US TO BECOME AQUATINTED WITH EACH OTHER.



GTOAA Information

Your chapter is an affiliated chapter with the GTO Association of America. You can join the National GTO organization, the GTOAA & receive the Golden Quill Award Winning publication, *The Legend*.

To Join complete the form below and mail in, or join online at www.gtoaa.org



Membership Application

Date: _____

Mem #: _____

Name: _____

Phone: _____

Address: _____

Email: _____

GTO Ownership is not a requirement of membership to the GTOAA

GTO OWNERSHIP

Year _____ Body Style _____ Engine _____

Year _____ Body Style _____ Engine _____

Year _____ Body Style _____ Engine _____

I agree that, if elected to membership, I will conform to all rules of the Association and conduct myself in the manner that promotes the goals and purposes of the Organization.

Signed: _____ Date: _____

DUES:

\$35.00/year for members in the USA, \$40.00USD/year for Canadian members, and \$50.00USD/year for all other international members. \$5.00 for associate memberships in the same family name (includes membership card, decal, and membership listing). There is a \$2.00 bank processing fee for applications paid by credit card.

CHECK / MO # _____

Mastercard / Visa Card # _____ Exp # _____

Signed: _____ Date: _____

Make Check/Money order payable to GTOAA:

Mail signed Application to: GTOAA, PO BOX 455, Timnath, CO 80547

ALL PONTIAC INDOOR SWAP MEET

March 20, 2016

Enter on East Side of Building
at the Service Entrance

NEW LOCATION !!!

Dennis Hyundai, 2900 Morse Rd., Columbus, OH 43231



VENDOR SET-UP 7:00 A.M. - 9:00 A.M.

OPEN TO PUBLIC 9:00 A.M. - 1:00 P.M.

10' x 10' spaces - \$15.00 each
\$2.00 general admission

For swap & vendor information call:

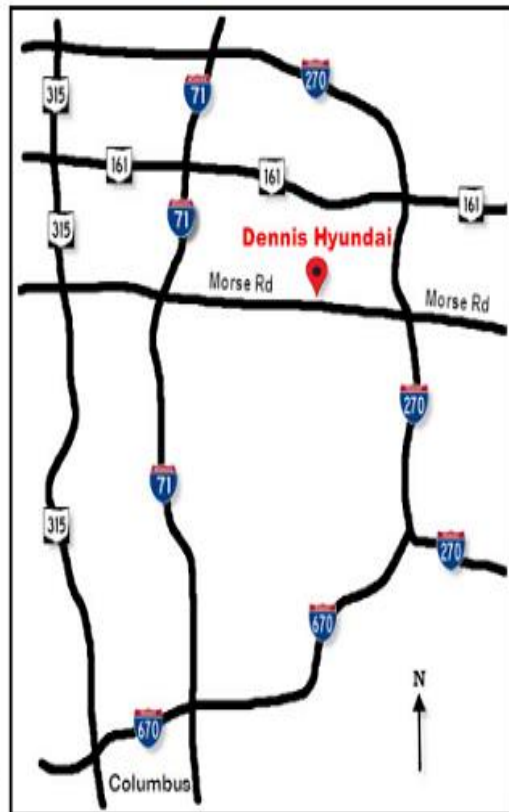
Ron Cozzo (740) 777-1135
email: rozzo@earthlink.net
www.gtoaco.com



Or write to:

GTO Association of Central Ohio
1710 Buttermilk Hill Rd, Delaware, OH 43015

GTOACO and Dennis Automotive are not responsible for any damage or injury.



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GTOACO Sponsors



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Dennis Automotive

Aaron Masterson, General Manger/Vice President

2900 Morse Rd

Columbus, OH 43231

614-434-3536



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Plain City, OH43064

740-490-7185

klandis@absolutecleaner.com

<http://www.absolutecleaner.com/>



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Jeffrey K Inskeep

3152 E Dublin-Granville Rd

Columbus, OH 43231

614-898-6620

4print@inskeepbrothers.com

<http://www.inskeepbrothers.com/>



DJ GTO Parts, Inc.

Rust Free Parts & Cars Bought & Sold

Dan Gregory, II

11283 Main St

Stoutsville, OH 43154

740-474-4614

info@djgtoparts.com

<http://djgtoparts.com/>



Capital City Appliance Service

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