

Turf Tech News

Fall 2011



Turf Equipment Technicians Association of the Carolinas • P.O. Box 210 • Liberty, SC 29657

www.TETAC.org 800-476-4272

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President's Message by Gene Westbrook



The completely redesigned TETAC website is more informative and easier to use.

Hello fellow technicians, I am happy to announce the new TETAC website is up and running. It has been completely redesigned to be more informative and easier to use. I would like to encourage each of you to use our new site often. It is a great way to share information and communicate with other technicians. We are continually updating the website, and welcome your input and ideas. If you see something that could be changed to better serve you please email me at genewestbrook@aol.com.

It's time to register for the annual conference that will be held November 14 - 16 at Horry-Georgetown Technical College in Myrtle Beach, SC. These three days are packed with golf, educational seminars, fellowship and the trade show! You do not want to miss this year's conference and annual meeting. You will find registration information enclosed in this newsletter. This year, we are offering a free conference package to first time conference attendees when you pay your 2012 membership dues. This is a great opportunity for someone who has never been to the conference. The new board of directors is voted on each year at the annual meeting, if you are interested in serving a position on the board please contact me. A tremendous amount of work goes into planning the conference each year and we look forward to seeing you there.

We are now taking nominations for Turf Tech of the Year. Please be sure your superintendent has the nomination form so they can have the opportunity to tell us how good you are!

It is an honor to serve you as president of TETAC. Our goal is to be an organization that enables you to be more successful in your career. We need your support and involvement to succeed!

Dear Superintendent Member,

As you are well aware, the Carolinas Golf Course Superintendents Association is a strong supporter of the Turf Equipment Technicians Association of the Carolinas. We are acutely aware of the enormous contribution your equipment technician makes to the success of your course. We are continually striving to find ways to help you and your employees excel professionally and enhance the game of golf.

This year the TETAC will hold their annual conference at Horry-Georgetown Technical College in Conway, SC on November 14-16. We encourage you to send your equipment technicians to this informational conference. They will offer 6 sessions of education and a panel discussion with the most up to date information from equipment repair to record keeping. All sessions are EETC Certified.

If any of your technicians have never attended the TETAC Conference they will receive a FREE full registration when they pay their 2012 TETAC membership (\$45). This includes breakfast Tuesday and Wednesday morning, 3 seminars of their choice, Tuesday Lunch, TETAC Association Meeting and Trade Show and Carolinas GCSA Trade Show Pass for Tuesday and Wednesday. This package is valued over \$225. If they attend annually, we thank you for your commitment and encourage you to continue to invest in the education of your technician.



Horry-Georgetown Technical College, site of TETAC Conference.

Please take a look at the TETAC Conference overview on page 8. I am sure you will find beneficial opportunities to increase the professional image, technical knowledge, and safety awareness of your golf course equipment technicians. We are aware of tight budgets and we all are trying to be as frugal as we possibly can. We feel this is an investment and will benefit not only your technicians, but your course as a whole.

We thank you sincerely for your support of the Turf Equipment Technicians Association of the Carolinas. Please feel free to call our office at 800-476-4272 with any questions you may have concerning the TETAC Conference. We look forward to seeing you in November at the Carolinas GCSA Conference and Trade Show.

Sincerely,

Tim Kreger, Executive Director
Carolinas Golf Course Superintendents Association



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TETAC Membership Benefits

Education - Seminars from beginner to advanced, offering the latest techniques

TETAC Newsletter - Provides relevant, interesting information that reflects the personality and professionalism of the membership

Conference - Providing the latest information and technology with networking opportunities

Membership - Membership cards, certificate, and decals

Turf Tech of the Year - Eligible for Turf Tech of the Year Award

MISSION

To increase the professional image, technical knowledge, and safety awareness of our equipment technicians by developing an association that is managed and conducted in a responsible and ethical manner.

PURPOSE

To open the lines of communication between turf equipment technicians, manufacturers, distributors, and other groups within our industry. Through this we can provide education in the form of technical seminars, which will help to further enhance our abilities as technicians and expand our knowledge of different products, procedures, and facilities within our industry. This will also enable us to create a forum with manufacturers in which we can exchange communication with respect to the maintenance and repair of their turf equipment products. Our overall goal is to establish a standard for all turf equipment technicians and increase the industry's knowledge of the value of a properly trained equipment technician.

TETAC Code of Ethics

All members of TETAC agree to abide by the following Code of Ethics:

- Recognize and discharge all my responsibilities and duties in such a fashion as to be a credit to this association and profession.
- Maintain the highest standards of personal conduct to reflect credit and add to the stature of the profession of equipment technician.
- Base endorsements, either verbal or written, by means of any medium, strictly upon satisfactory personal experiences with the item or product identified.
- Recognize and observe the highest standards of integrity in relationships with fellow equipment technicians and others associated with the item or product identified.
- Assist my fellow equipment technicians in all ways consistent with my abilities only when called upon to do so and with the incumbent technicians knowledge, participation and acceptance.
- Abstain from the debasement of or encroachment upon the professional reputation, practice, or employment of another equipment technician.
- Lend my support to and actively participate in the effort of this association and other affiliated associations to improve the understanding and recognition of the profession of equipment technician.
- Abstain from any exploitation of my association, industry, or profession.
- Abstain for the use of any and all mind altering substances while on the job and during all meetings of this association.

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TPM Economics - 101, Part 2

Lubrication - 1%

Lubrication represents the smallest part of the superintendent's total budget. Yet that 1% can have the greatest impact as far as replenishment cost and the over all parts cost. This is including Fuel Additives; Grease, Motor Oil, Gear Lubricants, Transmission and Hydraulics Fluids. So the proper selection of lubricants can take the maintenance technician from Scheduled Maintenance to Preventive Maintenance. This is where the real savings come into view for the superintendent.

I am reminded in the **10 Great Reasons to Love Your Golf Course Superintendent** from the Carolina's GCSA website that: *"The less money golf course operators spend on golf maintenance, the more profit they retain from sales in other areas like the pro shop and the snack bar. And when golf courses are making a profit, there is less incentive to increase green fees, which would hurt your hip pocket. As the big spenders in any golf operation, superintendents are constantly under pressure to do more with less. The bar staff might be more attractive than your golf course superintendent but they're the ones who deserve the hug."*

Now the main reason that the superintendent is the biggest spender in any golf operation is simply because he does not "sale" anything, so he can not add to the profitability of the golf course. This is where the maintenance technician plays a major role in helping to reduce the expenses within the maintenance operation. The proper selection of lubricants, that have proven performers will help reduce downtime, cut expenses and keep operating efficiency at an all-time high.

Concerning conventional lubricants in general...**The Lubricant Manufacturers Association** conducted a quality test and found that: *"6 of 20 engine oil samples it checked and 11 of the 20 tractor hydraulic fluids were misrepresented, with deficiencies ranging from labeling mistakes to viscosity errors to mishandling of additives."*

"the 40 samples were coded and tested in a third party laboratory and the results showed that 30% of the engine oil samples and 55% of the tractor fluid samples differed significantly from the claims on the products' labels, for characteristics such as viscosity and additive treat rate."

This is rather significant and reinforces the fact that it's not always a level playing field!

In all lubricants there are three distinct elements that will effect their performance: **Pressure, Temperature** and **Moisture**, with Moisture (water) being the one problem around a golf course. Without proper education in what to look for in specialty lubricants most maintenance personnel

will continue with the theory that "grease is grease, oil is oil", "so I'll just get me the cheapest thing I can find." However, knowledge is the key for what to look for in preventive maintenance products.

Some ASTM Testing Methods, Lubricant Terms & Definitions

When I think of introducing new topics to folks, a story and a question always comes to mind. The story goes that in 1954 a young man by the name of Roger Bannister, a student at Oxford University, Oxford, England ignited the athletic world. He broke the four-minute mile in track and changed the thinking of athletes around the world by his performance.

The question is: why didn't someone in the USA do it before he did? ***Nobody ever thought about it!***

So with the title of this article I would like to give you some things to think about in order to give you a better understanding of definitions, terms and specifications in quality lubricants leading to lowering replenishment cost and over all parts cost.

Adhesive Properties – The ability of grease, gear lubricant or oil to cling to metal.

Boundary Lubrication – High temperatures and pressures can reach a point where conventional lubricating oils do not maintain a fluid film to keep the moving parts separated.

Cohesive Properties – The ability of grease, gear lube or oil to cling to itself, thus resisting tearing apart.

Cummings L10 Deposit Test – (fuel additives) – Original Equipment Manufactures (O.E.M.'s) have recognized the value of strong detergent additives, to increase engine durability and operating performance. Cummins, one of the world's largest engine manufactures, developed a severe test to measure injector deposits in engines. Certain engines developed injector deposits that led to a noticeable decrease in power, and Cummins analyzed the driving patterns of the effected fleets and a laboratory test method was developed to simulate these deposits. The test is run on two L-10 Cummins engines in tandem to access fuel and additive performance. The engines are run in 15 second cycles – one engine driving, the other being driven. The roles are reversed for each subsequent 15 second cycle and the duration of the test is 125 hours.

The injectors are examined by a Coordinating Research Council (CRC) after 125 hours and given a visual rating of plunger deposits. Cummings criteria rates the findings as "Acceptable" if the CRC Rating is less

... continued on page 6

than 25, and “Superior” if the CRC Rating is less than 10. The rating should appear on the product literature. With a CRC Rating of “Superior”, the product additive package *exceeds* the performance standards outlined by the Engine Manufacturers Association, which recommends a rating of 10 or less, allowing the engine to operate as designed throughout the life of the engine.

Detergents – Combined with solid combustion debris, they prevent this debris from accumulating on engine parts as deposits. Detergents also helps prevent rust on vital parts.

Dispersants – They are also cleanliness agents. Dispersants are “ashless” and keep contaminants in the oil from forming into lumps where they could possibly settle out as sludge or varnish.

Dropping Point °F – The minimum temperature at which the oil in grease is subjected to heat and begins to actually break down and drip.

Extreme Pressure E.P. Grease – The minimum pressure (p.s.i.) that a grease can withstand and is measured as **Timkin OK Load Rating**; with additives that are under extreme pressure form an adherent film on metal surfaces, thus forming a film of protection. The higher the Timken OK Load rating, the greater the protection.

Foam Tendency/Stability Evaluation Test – (ASTM D-892) – Parameters: A sample, maintained by a temperature of 24°C, is blown with air at a constant rate for 5 minutes and then allowed to settle for 10 minutes. The volume of foam is measured at the end of both periods. The test is repeated on a second sample at 93.5°C and then again, after collapsing the foam, at 24°C. The results are shown as Sequence I as $_/_$, Sequence II as $_/_$ and Sequence III.

The lower the Sequence numbers are is an indication that the product has excellent **Foam Inhibitors** in the oil. With the high speed churning effect encountered inside an engine crank case during operation, a foaming condition could occur. Since the oil plays such an important part in maintaining proper engine temperatures, any foam would trap heat and cause the engine to over heat or operate at excessively high temperatures.

The results of the Foam Tendency Test can be seen on a suppliers website on the product specification page or the product literature.

Tip: If your product specification sheets only shows you °C and you want to know what it is in °,–,F, you can convert °C (Celsius) to °F (Fahrenheit) by:

Celsius Temperature $\times 9 \div 5 + 32 = \text{°F}$.

High Frequency Reciprocating Rig (HFRR – ASTM D-6079) is the internationally accepted, standardized method to evaluate fluids for lubricating ability. Original Equipment Manufactures (OEM’s) have requested a wear

scar no greater than 460 microns. A tested untreated fuel started with an HFRR Wear Scar Measurement of 508 microns, well above what the O.E.M.’s have requested. So, the use of a “Superior” rated fuel treatment is advised to keep Wear Scar (mm) at a minimum.

Oil Analysis – Allows for a systematic, periodic analysis of your equipment’s lubricating oil and is the foundation for planning a cost effective preventive program. No matter what type of system used – engine, gear box, hydraulic system, etc., the differences in equipment design and operation affects the oil used with varying results.

Total Base Number (TBN) – (ASTM D-2896) – A measure of the ability of an engine oil to neutralize acid and the harmful effects of acids. The higher the TBN, the greater the protection to the engine.

TBN Retention – The greater TBN Retention of oil, the longer an engine oil is able to neutralize acids and the harmful effect of acids. The greater an oil’s TBN retention, less wear from acids and longer drain intervals.

Viscosity Index (V.I.) – (ASTM D-2270) – The viscosity index is a rating given to an oil to tell you how well it resists temperature change. The higher the viscosity index, the more that product resists temperature change. As an example, your oil has less of a tendency to thin out in hot weather and less tendency to thicken up in cold weather with a high viscosity index.

Water Washout Test – (ASTM D-1264) – This test is a method for determining the water washout characteristics of lubricating grease from a bearing under prescribed laboratory conditions. The reason for the test is that water washout of grease from bearings is costly, harmful to efficient maintenance and increases replenishment cost. The results are measured in a percentage with the lowest percentage indicating much less water is removed in the test, proving the excellent water resistant properties of the grease.

This should give you a good idea of what to look for in a quality lubricant that is **“made to fit a need rather than a price.”**

The next article will address *Hydraulics* with specifications for the system as approx. SAE No./ISO grade.

Because there are extremely close tolerances in a hydraulic system it is important that the fluid being used does not contribute to varnish, gum, sludge, or other detrimental problems, etc. There will also be a discussion of some of the costly mistakes most hydraulics users make that drive up downtime and maintenance cost.

– **Bill Wallin**

*Independent Lubrication Consultant
Texas Refinery Corporation*

HOW MUCH LUBRICANT IN A BARREL OF CRUDE OIL?

In the news you hear commentators talk about the price of gasoline. Crude prices go up and it's a big discussion, crude prices go down and it's a big discussion.

Ever wonder what they produce when they refine crude oil? As you can see from the information below, more gasoline is produced from a barrel of crude than anything else. Diesel and heating oil are the second largest quantities that come from a barrel of crude.

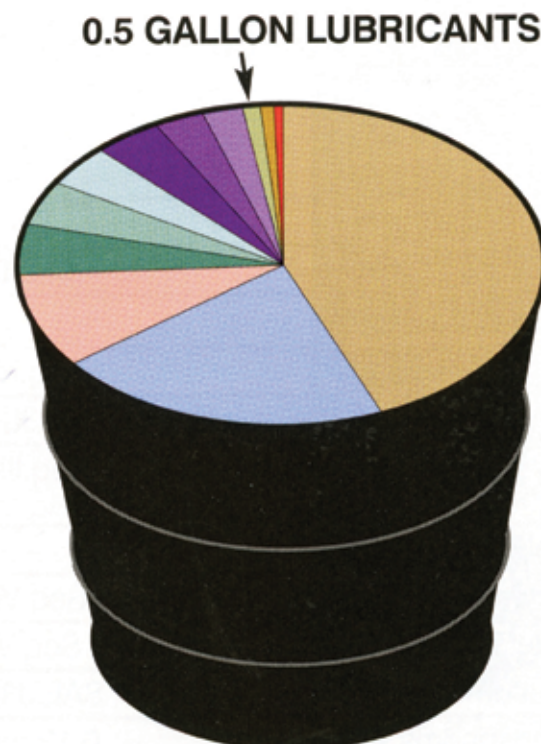
Look towards the bottom of the list, and you see the tiny amount of lubricants that actually come from a barrel of crude . . . ½ of a gallon! So you can imagine, when crude prices go up and down, it has the greatest impact on the price of gasoline, but very little impact on the price of lubricants.

Knowledge is powerful, so having this information with your sales materials might come in handy while having a discussion with your customer. Customers appreciate the education you can provide concerning the lubricants industry.

How Much Lubricant in a Barrel of Crude Oil?

Thanks to "processing gains" at today's refineries, a 42-gallon barrel of crude oil can make an average of 44.2 gallons of products. But very little of it is lubricants.

19.5 gallons	gasoline
9.2 gallons	diesel/home heating oil
4.1 gallons	kerosene-type jet fuel
2.3 gallons	heavy, residual fuel oils
1.9 gallons	liquefied refinery gases
1.9 gallons	still gas
1.8 gallons	coke
1.3 gallons	asphalt and road oil
1.2 gallons	petrochemical feedstocks
0.5 GALLON	LUBRICANTS
0.2 gallon	kerosene
0.3 gallon	other



42-gallon barrel of crude

—Source: American Petroleum Institute



Turf Equipment Technicians Association of the Carolinas

2011 Conference

November 14-16, Horry-Georgetown Technical College, Conway, SC

Monday November 14th

9:30 am

Golf Tournament

Azalea Sands Golf Club
2100 Highway 17
North Myrtle Beach, SC

COST: \$25

Lunch will be provided after golf.
Proper golf attire required.



Tuesday November 15th

MORNING SEMINARS 8 - 11 am

Choose One

① Reel Technology

Origin and construction of reel type cutting units. This presentation focuses heavily on cutting unit setup, adjustments, optional equipment and their effects on Quality of Cut (QOC), After Cut Appearance (ACA) and overall turf health. Additionally, an interactive discussion on grinding theory, techniques and equipment will be covered.

Instructors: Greg Womble, Revels Turf & Tractor
Bill Ledford, Tri-State Pump
Burke Anders, Smith Turf & Irrigation

② Handheld Outdoor Power Equipment Troubleshooting and Repair - STIHL

This workshop will review changing engine technology and how those changes make repair easier for technicians. To include: diagnostics, tune and repair of STIHL outdoor power tools; special tools needed for repair of STIHL products; changes in carburetor technology and the impacts of ethanol; and safety and safe operating procedures. The evolution of sustainable products and other new products for 2012 will also be covered.

Instructor: Adam Smith, Product Applications Specialist,
Mid-Atlantic STIHL

TUESDAY GENERAL EVENTS 11 am - 1:30 pm

TETAC Trade Show

Lunch

Annual Meeting & Panel Discussion

SPECIAL SAVINGS AVAILABLE!

Choose either a Full Conference Package or Tuesday Only Package and enjoy saving on your total conference cost.

FREE Full Conference Package for first time attendees when you pay your 2012 membership dues. Details on registration form. ▶

Tuesday November 15th

AFTERNOON SEMINARS 1:30 - 4:00 pm

Choose One

③ Hydraulic Theory and Operation

We will discuss basic hydraulic theory. Component testing and schematic reading and as well as component positioning in circuits. Proper flow testing techniques and some quick field test to help in daily maintenance and care of hydraulic systems. Touch on some preventive maintenance and system upkeep.

Instructors: Greg Womble, Revels Turf & Tractor
Bill Ledford, Tri-State Pump
Burke Anders, Smith Turf & Irrigation

④ Record Keeping for Equipment Managers

This workshop will give Equipment Managers ways to track assets, inventory, preventative maintenance and cost analysis. We will discuss computer programs; excel spreadsheets and good old-fashioned notebooks.

Instructor: Kyle Betke, The Reserve at Lake Keowee

7 - 10 pm

Carolinas Night at the Beach

Margaritaville, Myrtle Beach



Wednesday November 16th

MORNING SEMINARS 8 - 11 am

Choose One

⑤ Electrical and Electronic Troubleshooting:

This session will cover basic electrical theory, component testing, and realistic troubleshooting tips. We will discuss the evolution of electrical systems in turf equipment and look at what the future may hold in store. Bring a current electrical problem or good story about how you solved one to the class. We will work through it together.

Instructors: Greg Womble, Revels Turf & Tractor
Bill Ledford, Tri-State Pump
Burke Anders, Smith Turf & Irrigation

⑥ Challenges for Today's Fuels plus Hydraulic Oil Best Practices

This workshop will cover the following: Ethanol (the scourge of gasoline) and how to deal with it; Concerns with diesel fuel cetane ratings and ultra-low sulfur content; Best practices for fuel storage; Cleanliness and quality in hydraulic oils; Importance of correct hydraulic oil viscosity; Advances in hydraulic oil and product consolidation; Reading laboratory oil analysis reports; and the using right product in the right place at the right time.

Instructor: Al Sine, Field Representative, SWEPCO
(Southwestern Petroleum Corporation)



2011 TETAC Conference

November 14-16

REGISTRATION FORM

(One person per form please. May duplicate.)

Registration deadline: October 21th, 2011



HOW TO REGISTER

There are three easy ways to register:

- Online at www.carolinascsa.org
- Fax completed registration form with credit card payment information to 864-843-1149
- Mail completed registration form with check, money order or credit card information to:
 Carolinas GCSA
 PO Box 210
 Liberty, SC 29657

CANCELLATION POLICY

Written refund requests received before November 4, 2011 subject to \$25 processing fee. No refunds after November 4.

MAIN REGISTRATION INFORMATION

First Time Attendee* Yes No

***FREE FULL CONFERENCE PACKAGE FOR FIRST TIME ATTENDEES WHEN YOU PAY YOUR 2012 MEMBERSHIP DUES.**

TETAC Member Yes No

First Name _____ M.I. _____ Last Name _____

Home Address: PO Box or Street Address _____

City _____ ST _____ Zip _____

Club/Company Name _____

Club/Company Address: PO Box or Street Address _____

City _____ ST _____ Zip _____

Company Phone: _____ Fax: _____

Email address: _____

Preferred Mailing Address: Home or Club/Co.

BADGE INFORMATION

Please print the following information as you wish it to appear on your badge.

Name _____

Club/Company Name _____

City, State _____

REGISTRATION OPTIONS

Prior to Oct 21

Member Non-Member Fee

FULL CONFERENCE PACKAGE: \$200 \$225 _____

This includes Tuesday and Wednesday breakfast, three seminars (EETC Recertification), Tuesday Lunch, TETAC Association Meeting and Trade Show and Tuesday/Wednesday Carolinas GCSA Trade Show Pass

***First Time Attendee:** (Free Full Conference Package) _____

TUESDAY ONLY PACKAGE: \$150 \$175 _____

This includes Tuesday breakfast, two Tuesday seminars (EETC Recertification), Tuesday lunch, TETAC Association Meeting and Trade Show and Tuesday ONLY Carolinas GCSA Trade Show Pass

Monday Golf \$25 \$25 _____

Tuesday Lunch \$20 \$20 _____

Carolinas GCSA Trade Show Pass \$85 \$85 _____

Carolinas Night at the Beach \$20 \$20 _____

TETAC Membership 2012 \$45 \$45 _____

SEMINAR SELECTIONS

Write in Seminar ID number found adjacent to Seminar description

FULL CONFERENCE PACKAGE: choose 3 seminars (fees included above)

TUESDAY ONLY PACKAGE: choose 2 Tuesday seminars (fees included above)

	Seminar ID #	Member	Non-Member	Fee
Tuesday AM (choose one)	_____	\$50	\$75	_____
Tuesday PM (choose one)	_____	\$50	\$75	_____
Wednesday (choose one)	_____	\$50	\$75	_____

Total Fees: _____

After October 21 add \$25 late fee: _____

FEES SUMMARY

Grand Total Payable: _____

(Includes Total and Late Fees if Applicable)

PAYMENT INFORMATION

Option 1: Check (Make Payable to TETAC)

Option 2: Credit Card

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For more information visit www.tetac.org or call Carolinas GCSA 800-476-4272

Ethan: A Story of Who We Are

In the first months of Ethan's employment, not all things went well. The boss had a brand new truck and the service needed to be performed for the first time. The tractor company had delivered a curb edger that consisted of a huge disc attached to a frame. The implement was mounted by a three-point hitch to a tractor but when it was sitting on the floor in the shop, you could kick the disc and the machine would rotate in a circle riding the disc. "SERVICE MY TRUCK!", the boss said so Ethan drove the truck into the shop not paying any attention to the edger. The disc cut the side of the truck as easy as any can opener could open a can in a matter of seconds. I'll not relate to the language that was used as the boss' office faced into the shop and he saw it happen. Ethan was not fired.

There was a nine gang Parkmaster that was used for mowing fairways. The 8th and 9th reels hung out to the side if you didn't lock them into place. He was after all 21 years old so he had to see how fast the machine would go so, he opened it up on the road that lead to the maintenance building. Turning the curve, wide open, the 9th gang flopped out and took out the side mirror and window on a new Lincoln Continental that still had the sales sticker on the side window. The owners were sitting on the porch and witnessed all of this. "CLUB'S GOT INSURANCE!" Ethan hollered as he went on to the "Barn".

When he first got the job and was looking around the "Barn", he wondered why there was a pile of rusty old car rims and many feet of 2" square tubing. When he inquired, he was told it was for parking for the LPGA tournament. "What the heck is an LPGA?" He had never thought about women playing golf. He spent the next two weeks welding the tubing to the rims making parking lot stands that could be placed in an area and ropes passed through them. So much for the rims and he was able to make his first engine stand from the leftovers.

First, they brought the beer trucks and parked them at the "barn" as it had a fence around it that could be locked. Then, the sandwich truck complete with toaster ovens to heat the food (this was before microwaves). What these people didn't think of is the goods would be better off outside the fence. We ate and drank our bellys full of Stewart sandwiches and beer. The truck had beer taps on the side of it that worked!

As I have said, the greens were mowed at .187 but we used the fraction 3/16. There was a lady that came to see Ethan early one morning and she wanted to know if

the greens could be mowed any lower. SURE! Ethan said ever confident in his abilities. He set about setting the HOC at 5/32 (.156) but there was a big problem. The bedknife was thicker than the HOC she wanted. There was no way the mower could be set at that low HOC without the knife dragging the green. Ethan installed the bed knife upside down on the grinder and relieved the bottom edge enough to set the reels at the HOC she wanted. The next day the mowers went out to cut and gouged the greens on every pass. Ethan removed the reels and couldn't find anything wrong. Inadvertently, he placed a reel on the top of a 30-gallon drum to make room for another one. He couldn't find anything wrong with that one, but when he went to pick the reel up off the drum, it rocked on the rollers. It wasn't hard to figure out that if the reel rocked on the drum it would do the same on the green. Ethan's first bench plate was the 30-gallon drum. He would raise the front roller, rest the bed knife on the edge of the drum, and set the rear roller. No more gouging. Some readers may not understand what happened here and the revelation it created but you need to remember—In those days there was no education for turf equipment of any kind and the internet did not exist, so if you were a tech you were on your own.

The results were that the LPGA lady was very impressed with Ethan.

Sunday the tourney ended and there was a huge party at the clubhouse. Ethan crashed it. There was a Disco band and he talked a girl that worked at McDonalds into joining him. She had a 67 Pontiac Firebird that had a 68 Camaro front end. It was cool but he found out it was her boyfriend's car. It didn't help that she was fond of the Pope. She left early. Ethan walked out the front door of the clubhouse and he noticed the winner of the tourney was sitting on the bottom step in a state of bliss. She had won \$23,000 and that was a lot of money in the 70's. He struck up a conversation with her and she asked him if he would take her "dancin" Ethan was in his own state of bliss so he declined the invitation.

Then the Assistant Superintendent sprained his ankle. It wouldn't heal. He was sick for some time and Ethan was asked to help manage the guys on the course. The man had cancer. He was 29 years old when he died.

This article was submitted by an unknown author and will be offered as a 3 part series. I am curious to see if anyone knows who Ethan is? Let's see where Ethan goes from here.



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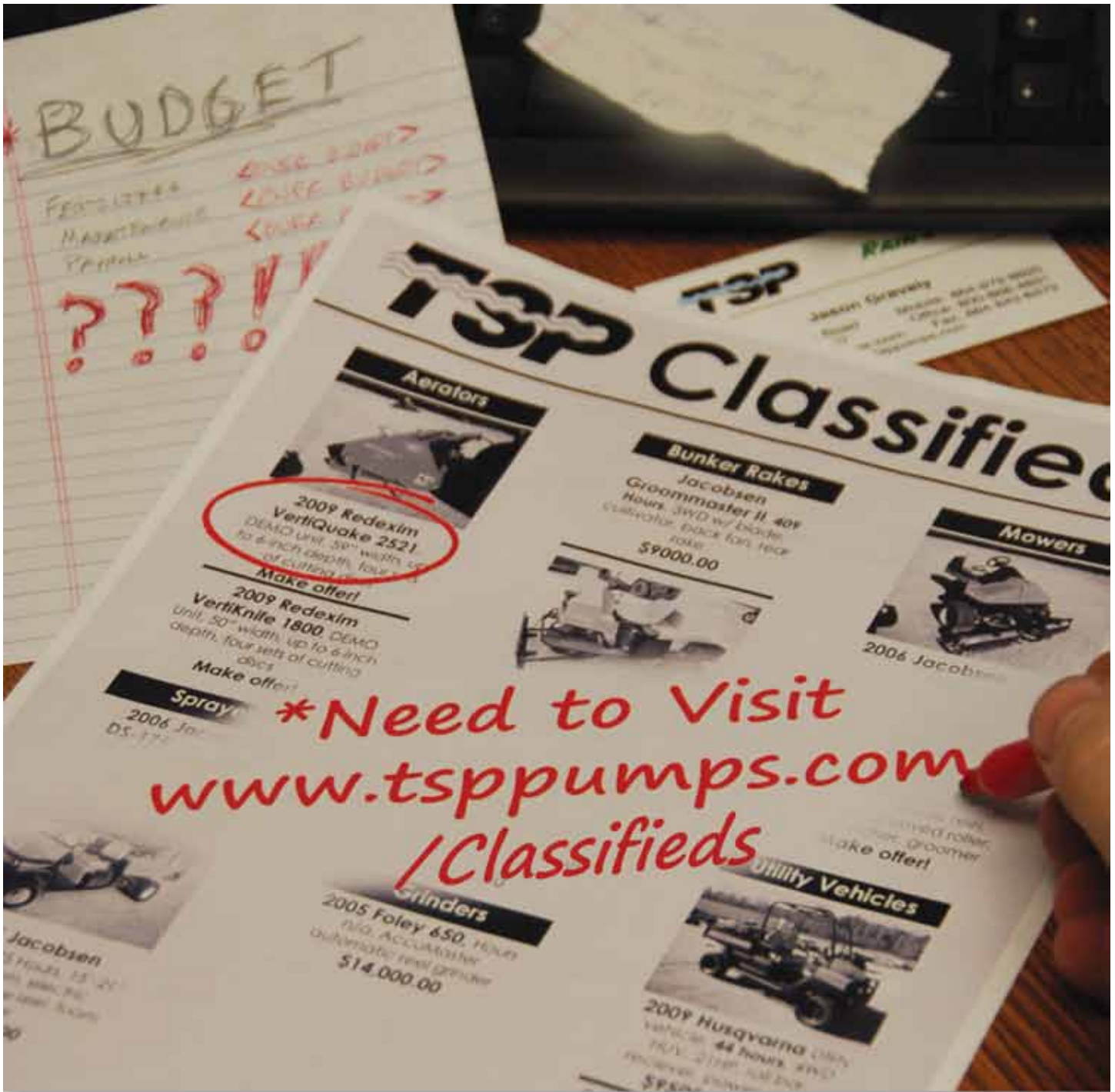
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