

Recyclers News Press

Iowa Auto Recyclers

March / April 2016

Inside this issue:

Every Day is Earth Day from front cover	15
Fuel Storage	10
Shop Rags	11
Summer Outing Registration	12
Recovery of New Refrigerant R1234yf	16
ARA Update	20









What is an annual event for many consumers is a way of life for the "Original Recycler" the automotive recyclers. Everyday really is Earth Day in this industry.

The wave of consumer awareness and preferential buying of goods made with recycled material is reported to be at an all time high. The public has a growing interest in "zero waste" initiatives where lifestyles and

goods that have no waste to throw out or can be repurposed for other uses. Zero waste goes beyond recycling empty bottles into flower pots and park benches. It focusses on the pollution prevention hierarchy: to first reduce and reuse then recycler.

The big question is *what can automotive recyclers do to remind people that used auto parts are green?*

Continued on page 15...

buying choices focus on consuming

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Recyclers News Press

IAR IOWA AUTOMOTIVE RECYCLERS

Recyclers News Press

The RECYCLERS NEWS PRESS is published six times per year for the lowa Automotive Recyclers. None of the material in this publication necessarily reflects the opinion of IAR, its officers, director, staff members or advertisers. Statements of fact and opinion are the responsibility of the author.

IAR Members are encouraged to submit material for publication in the Recyclers News Press. Content may be edited for length with the author's permission.

Deadline for submission is the 20th of the month prior to publication. Send content to Sue Schauls at <u>Schauls3@mchsi.com</u> with a full color graphic when possible.

Executive Director

Sue Schauls 2214 Regal Avenue Waterloo, Iowa 50702

Phone/Fax: 319-233-7970 Schauls3@mchsi.com www.Sueschauls.com

Lobbyist

Jim Piazza Jr. 2600 Grand Avenue Suite 230 Des Moines, Iowa 50312

Phone: 515-243-2080 Fax: 515-288-9477 JamesPiazzaJr@hotmail.com

IAR's 2014-2016 Board of Directors

Andy Wilken, President Wilken Auto Salvage Phone: 641-435-4077 wilkenauto@yahoo.com

Brad Osborn, Vice President Waterloo Auto Parts Phone: 319-234-5207 brad@waterlooautoparts.com

Joel McCaw, Treasurer Ace Auto Recyclers Phone: 319-338-7828 parts@aceautorecyclers.com

Jeff Smid, Secretary Jeff Smid Auto, Inc. Phone: 563-386-8290 jeffsmid@yahoo.com

Brent Nugent Immediate Past President Nugent Auto Sales & Salvage Phone: 563-652-2231 Brent@NugentAutos.com

Jodi Kunde Special Funds Manager North End Auto Wrecking Phone: 563-556-0044 NorthEndWrecking@aol.com

Jordan Barkow (2016 1st Term) Sun Line, Inc. Phone: 319-364-4000 JRBarkow@gmail.com

Pat Rooff (2015 1st Term) Pat's Auto Salvage Phone: 319-232-0704 <u>pats-</u> <u>mail@patsautosalvage.com</u>

Eric Piper (2015 1st Term) Piper's Auto Salvage Phone: 800-247-9135 eric@piperautoparts.com Tom Quandt (2014 – 2nd Term) Quandt Auto Salvage, Inc. Phone: 712-792-9204 <u>guandtauto@gmail.com</u>

Eric Piper (2015 – 3rd Term) Spilman Auto Parts, Inc Phone: 641-664-2463 eric@spilmanauto.com

Mike Davidson (2015 – 3rd Term) Don's Auto & Truck Salvage Phone: 515-262-8283 <u>mike@donsautoandtrucksalvage.com</u>

Mike Garvin (2015 – 1st Term) Vander Haag's, Inc Des Moines Phone: 515-265-1451 <u>MikeG@VanderHaags.com</u>

Past President Participants

Mike Waterbury, Sandhill Auto Salvage Phone: 641-484-2057 Tama, IA 52339-9419 parts@sandhillautosalvage.com

Mike Swift Swift's Trail End Auto Salvage Phone: 515-265-5696 <u>Mike@TrailsEndAuto.com</u>

David Hesmer Action Auto Parts Phone: 641-752-3395 david@action-auto-parts.com

> Tom Snyder Snyder's Auto Body Phone: 712-542-5316 snyder@iowatelecom.net

Clyde Lems Lems Auto Recyclers, Inc. Phone: 712-726-320216 clydeplems@yahoo.com

www.lowaAutomotiveRecyclers.com

Iowa Automotive Recyclers Board of Directors Meeting February 2, 2016 Via teleconference

Ace Auto Recyclers Iowa City, IA www.AceAutoRecyclers.com

Action Auto Parts Marshalltown, IA www.action-auto-parts.com

Aikey Auto Salvage Cedar Falls, IA www.AikeyAutoSalvage.com

Airline Auto Parts Waterloo, IA www.airlineautopartsinc.com

AWE Auto Service Traer, IA www.awesalvage.com

B & B Salvage Sioux Center, IA www.BandBSalvage.net

Burlington Recycling & Auto Parts Burlington, IA burlingtonrecyclingandautoparts.com

Charlie Brown Auto, Ltd. Creston. IA www.CBAutoLtd.com

Chase Auto Parts Company, Inc Waterloo, IA www.sunline-chase.com

Don's Auto & Truck Salvage Des Moines, IA www.DonsAutoTruck.com

Dumont Auto Parts Dumont, IA

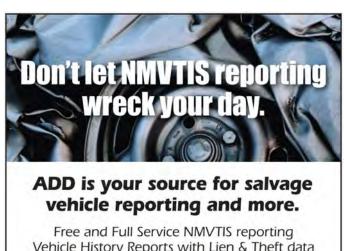
Members present: Sue Schauls, Brad Osborn, Tom Snyder, David Hesmer, Pat Rooff, Eric L. Piper, Brent Nugent, Jordan Barkow, Eric C. Piper, Mike Garvin, Mike Davidson, Mike Waterbury and Jeff Smid.

Sue Schauls called the meeting to order at 9:15 a.m.

<u>NMVTIS/Affidavit Rule Writing</u> – Sue reported there is still no written rules draft available at this time although the law went into effect on January 1, 2016. Jim Piazza, IAR Lobbyist, has asked the board to put together a list of points we would want added to the law once there is an opportunity and that the window to do this would close rapidly at this point. Although Sue felt there is no point in amending a law that has no written rules yet. She said the one item to add may be the lien check which we are doing voluntarily already. The main purpose of updating the rule would be to put the NMVTIS reporting back to 30 days for non-affidavit cars or repeal the law until the intent can be better expressed such as an Iowa NMVTIS system for reporting. The law was not created to target enforcement on licensed auto recyclers but

to give DOT tools to identify and ticket illegal operators.

Pat Rooff briefed the Board on some DOT action. The DOT has been advising tow yards to get a recvcler's license due to the code for Rule 321H.3 which states that a recycler's license is required if there are 6 or more vehicles subject to registration onsite. It was questioned whether or not these tow yards require recyclers licenses in lieu of enforcement action. Perhaps they do not even meet



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Iowa Automotive Recyclers Board of Directors Meeting February 2, 2016 Via teleconference

the definition of a recycler. It was decided that the tow issue was not our issue except that it highlighted the need for better recycler license definition which would take legislative action in the future.

There was a lot of discussion on NMVTIS reporting and compliance. It's been brought to the attention of the board that DOT believes there are some IAR members who are not reporting as required. Sue will make a compliance assessment report and work with members who need help so we work toward 100% compliance. She said anyone can go to the following website to check their record at <u>www.vehiclehistory.gov</u>. Sue also feels like some training for the non-compliant members would be helpful.

The federal NMVTIS requirement is to report a vehicle within 30 days but the new lowa law requires reporting within two (2) business days. There are still some issues with the system that need attention.

Other Business:

Sue reminded everyone to sign up for Hill Day which will be held in Des Moines on March 23-24. After Hill Day <u>planning</u> is over, she will start getting info out on the Summer Outing.

Meetings:

March 3, 2016 – Teleconference call – Time to be determined Hill Day – March 23-24, 2016 – Stoney Creek Inn & Capitol – Des Moines, Summer Outing – June 3-4, 2016 – Mason City/Kensett, IA

Jeff made a motion to adjourn with a 2^{nd} from Tom S. The meeting was adjourned at 10:05 a.m.

Respectfully submitted

Grab & Go Auto Salvage, LLC Spencer, IA <u>www.grabandgosalvage.com</u>

Hawkeye Auto Salvage, Inc. De Soto, IA

> High Country Auto Cherokee, IA

Hogeland Auto Plaza & Salvage Marshalltown, IA <u>www.hogelandautoplaza.com</u>

> Hulett & Son Auto Salvage Creston, IA

> > Jeff Smid Auto, Inc. Davenport, IA <u>www.JeffSmidAuto.com</u>

Jerry Carney & Sons Ames, IA www.CarneyAutoParts.com

John's Auto Aplington, IA www.aplingtonautobodyshop.com

> Kabele Truck & Auto Parts Spirit Lake, IA www.Kabele.com

King Automotive Salvage Center Cedar Falls, IA <u>http://kingsalvage.com</u>

> Lems Auto Recyclers, Inc. Doon, IA <u>www.LemsAuto.com</u>

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Page 6

SUE SPEAKING From desk of the Executive Director

Leon Recycling & Auto Parts, LLC Leon, IA <u>www.LeonAutoParts.com</u>

Lyle's Auto Salvage Oto, IA

Midwest Auto Parts, Inc. Waterloo, IA www.mw-autoparts.com

Monson Salvage, Inc. Lone Rock, IA

North End Auto Wrecking Dubuque, IA www.NorthendWrecking.com

Nugent Auto Sales & Salvage, Inc. Maquoketa, IA <u>www.NugentAutos.com</u>

Osage Auto Salvage Osage, IA <u>http://osageautosalvage.com</u>

P.Q. Auto Parts Sioux City, IA <u>http://quickpickparts.com</u>

Pat's Auto Salvage, LLC Waterloo, IA <u>www.patsautosalvage.com</u>

Piper's Auto Salvage Bloomfield, IA www.PiperAutoParts.com

Poell's Enterprises, Inc. DeWitt, IA www.PoellsEnt.com Spring has sprung and that puts me in SUMMER OUTING mode here at the lowa Automotive Recyclers. This year's event is lined up to be better than ever. We will have **more training opportunities than ever before** with the Car-Part World Tour co-located at the IAR Summer Outing in Mason City. Car-Part will put on multiple sessions geared toward hands-on learning. But don't worry those on the Hollander systems will also be overwhelmed with knowledge from the Hollander team throughout the day. From 8 am to 4:30 pm two or three session tracks will be running simultaneously with experts giving their best insight to **SELLING MORE PARTS**, the theme this year.

Not only will Car-Part and Hollander have session for owners, managers, inventory specialists and sales staff but the *keynote speaker will be Chad Counts from Counts Business Consulting.* If you have not yet heard Chad speak on improving efficiency and maximizing sales through optimized salvage acquisition and inventory turnover then you will be amazed at the simple but brilliant techniques you can immediately implement to

ENGINE CARTS



SUE SPEAKING From desk of the Executive Director

start **SELLING MORE PARTS!** And if you have heard Chad speak or have attended one of the Counts workshops then you know that you will gain even more perspective to push your implementation of the tried and true tricks of the trade to higher and higher levels for maximization of you facility functionality, your staff performance and your business volume. So don't miss the events in Mason City and Kensett, Iowa this year, June 3-4, 2016.

The traditional outside BBQ, auction and dance will wow this year as the Wilken Family hosts the shin dig in style at their Kensett, Iowa facility, just 16 miles north of Mason City, after your tours at Van Horn Auto Parts and (tentatively) Behr Iron & Metal facilities. You never know what your going to find in the treasure trove at Lloyd Van Horn's place.

Thanks for listening, SUE SCHAULS

www.lowaAutomotiveRecyclers.com



Preferred Auto Sales, Inc. Lockridge, IA <u>www.preferredautosales.net</u>

Quandt Auto Salvage, Inc Carroll, IA www.<u>QuandtAutoSalvage.com</u>

> Sam's Riverside Auto & Truck Parts Des Moines, IA www.SamsRiverSide.com

> > Sanborn Auto, Inc. Sanborn, IA

Sandhill Auto Salvage Tama, IA www.sandhillautosalvage.com

Smith Auto Parts & Sales, Inc. Fairfield, IA www.SmithAutoParts.com

Snyder's Auto Body Clarinda, IA <u>www.snyders-autobody.com</u>

> Spilman Auto Parts, Inc Bloomfield, IA <u>www.SpilmanAuto.com</u>

> Sun Line Inc. Cedar Rapids, IA <u>www.sunline-chase.com</u>

Sunset Beach Auto Salvage Des Moines, IA <u>www.SunsetBeachAutoParts.com</u>

Swift's Trails End Auto Recycling Des Moines, IA <u>www.TrailsEndAuto.com</u>

Hill Day Events Champion for Change

Tourniers Recycling Inc Independence, IA www.tourniersrecycling.com

Van Gorp Used Cars, Inc. Oskaloosa, IA <u>www.VanGorpIA.com</u>

Van Horn Auto Parts. Inc. Mason City, IA <u>www.VanHornAutoParts.com</u>

Vander Haag's, Inc. Spencer, IA <u>www.VanderHaags.com</u>

Vander Haag's, Inc. Council Bluffs, IA www.VanderHaags.com

Vander Haag's, Inc. Des Moines, IA <u>www.VanderHaags.com</u>

Vander Haag's, Inc. Kansas City, MO, www.VanderHaags.com

Vander Haag's, Inc. Sioux Falls, SD www.VanderHaags.com

Vander Haag's, Inc. Winamac, In <u>www.VanderHaags.com</u>

Walker Auto Salvage Waverly, IA www.WalkersAuto.com

Waterloo Auto Parts Waterloo, IA <u>www.WaterlooAutoParts.com</u> After the March 23, 2016 meeting for the Board of Director's review of the lowa DOT draft rules for the new Iowa NMVTIS and Affidavit Law was completed the board members and Hill Day attendees headed to the track for some teambuilding! It was a cold and rainy day but fortunately the activity was indoor GO KART racing at MB2 Raceway in Grimes.

The event was co-sponsored by associate members Auto data Direct and LKQ Government Affairs. A big THANK YOU to the sponsors as much fun was had by all.

We were even able to convince Senator Bowman to come out the event to receive an appreciation trophy (designed and donated by Mike swift of Swift Trail's End Auto Salvage, Des Moines). Senator Bowman was honored for the attention and support of legislation that will help level the playing field for auto recyclers and protect consumers from fraud. The topic of discussion originally planned for the breakfast the next day at the Capitol but unfortunately cancelled due to a scheduling conflict.



Hill Day Events

Champion for Change

West Edge Auto Salvage Independence, IA www.westedgeautosalvage.com

> Wilken Auto Salvage Britt Britt, IA www.wilkenandsons.com

Wilken Auto Salvage Iowa Falls Iowa Falls, IA <u>www.wilkenandsons.com</u>

Wilken Auto Salvage Kensett Kensett, IA www.wilkenandsons.com

Wilken Auto Salvage Nashua Nashua, IA www.wilkenandsons.com

Wilken Auto Salvage Waukon Waukon, IA <u>www.wilkenandsons.com</u>

> Yaw Auto Salvage Des Moines, IA <u>www.yawssalvage.com</u>





Small Container Fuel Storage Use a "jerry can" for fuel storage

Does your gas can meet OSHA requirements? Can you legally use that red plastic \$5.00 gas can on your job site? The short answer, probably not.

OSHA Standard 29 CFR 1926.152(a)(1) states "Only approved containers and portable tanks shall be used for storage and handling of flammable and combustible liquids. Approved safety cans or Department of Transportation (DOT) approved containers shall be used for the handling and use of flammable liquids in quantities of 5 gallons or less.

What is an approved safety can or DOT gas can?

A safety can is (29 CFR 1926.155(1)) an approved, closed container, of not more than 5 gallons capacity, having a flash arresting screen, spring closing lid and spout cover and so designed that it will safely relieve internal pressure when subjected to fire exposure. (Approval is given by a nationally recognized testing laboratory, for example, Underwriters Laboratory, Inc.)

Gas cans may only display DOT approval markings

when they meet stringent Department of Transportation requirements. Here is where it gets confusing, inexpensive plastic gas cans may meet EPA requirements, but they do NOT meet DOT rules, therefore there are not OSHA compliant at your salvage facility.

The metal fuel cans (gasoline, diesel and propane) are often referred to as "jerry cans" although that technically described the square cans designed for military use in Germany. "Jerry" was wartime slang for a German soldier. The term is frequently used for all metal gas cans with funnels.

Use a "jerry can" for fuels storage!

Information provided by ARA Safety Committee. On January 31, 2014, spent shop rags and paper towels used with parts cleaning solvent are no longer subject to a hazardous waste regulation if managed appropriately (and not otherwise governed by state or local rules).



Solvent Contaminated Wipe Disposal Must label as "Excluded Solvent-Contaminated Wipes"

The management standard streamlined the handling of spent wipes.

To implement the exemption criteria, an automotive shop using either launderable shop rags or disposable towels must assure that the spent wipes are stored in properly labeled, leak-proof containers until disposal to the laundry facility or the landfill via trash collection, respectively.

The container can be any closed container labeled "Excluded Solvent-Contaminated Wipes" and does NOT have to be sealed, only closed, during accumulation.

Upon disposal the container or bag must be sealed for transport (any free liquid solvent found in the container at time of disposal must be managed as hazardous waste).

The good news is that a garbage bag can be tied-off and considered a sealed container and placed in the regular municipal trash for collection, as long the state or local authority does not ban such waste. A label printed from a desktop printer and affixed to the container or bag will suffice.

The bad news is that the spent wipes must be segregated from other wastes until such time as sent for laundering or disposal. The frequency at which the laundry and/or trash is picked up must also be welldocumented to prove that the spent wipes have been disposed

within 180 days of generation.

The updated rule and subsequent exclusion has been a long time coming with inquiry and studies dating back to 1994. The rule is based on a thorough course of investigation that found spent solventcontaminated wipes do not pose a risk of



pollution when handled in this manner. A particular solvent, trichloroethylene, not generally used in automotive work is not included in the exemption.

For more information on this rulemaking, go to: <u>www.epa.gov/epawaste/hazard/wastetypes/wasteid/</u> solvents/wipes.htm

Last week's Menards advertised OSHA Gas Cans for \$29.99 for those in the Midwest who know how to Save Big Money at Menards...









Iowa Automotive Recyclers

Your partners in advancing the auto recycling industry lowa!

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SUMMER OUTING REGISTRATION FORM

Mason City, Iowa - June 3-4, 2016 - Historic Park Inn

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Contact Person:	s Q	Philip .
Address:	klift Training QAirbag Training	The second second
City, State & Zip:		2.
Phone:		
Email:		
IAR Member Registrat	ion fee	\$99 per yard
Non-Member Registration	n fee	\$99 per person
Event Sponsorship		\$500
Attendee Name:		1
Attendee Name:	OForklift Training OAirbag Training	10
Attendee Name:	OForklift Training DAirbag Training	10
	ØForklift Training ØAirbag Training	
Total Enclosed		\$
Hotel Reservation	Mention Iowa Auto Recyclers to	get discounted rooms!
	082 4th St SW, Mason City, IA 50401 (64 eens) per Night <i>Conference Rate</i> (with Hot	

Mason City has many other hotels available as well as the nearby resort community of Clear Lake, Iowa!

TRADE SHOW Friday 6:30-9:30 pm & Saturday 11:30- 1:30 pm

Can't make it to the Summer Outing? Ship your auction donation to:

Wilken Auto Salvage 1560 400th Street Kensett, IA 50448

Or send PAC fund or Scholarship donation to: IAR PAC 55 West 32nd St Dubuque, Iowa 52001 Make registration check payable & send to: Iowa Automotive Recyclers 2214 Regal Avenue Waterloo, Iowa 50702

SELLING MORE PARTS

Iowa Automotive Recyclers Summer Outing June 3-4, 2016 Historic Park Inn - Mason City, Iowa Trade Show - Friday, June 3, 2016 - 6:30-9:00 pm Speaker Agenda - SATURDAY, June 4, 2016 - Historic Park Inn

9:00 Key Note Address By Chad Counts of Counts Consulting.

Chad Counts will headline this training intensive event for lowa Automotive Recyclers and guests. Chad will provide **two training session** to help attendees **SELL MORE PARTS!** Counts Consulting has helped auto salvage facilities across the country conduct in depth analyses of processes to help boost sales and streamline productivity. Increase sales and decrease costs, that is the name of the game.

11:00 What Happened to the Converter Market? By Dan Miller of Legends Smelting & Recycling Dan Miller will unravel the mysteries of catalytic converter buying and selling. The market has been unpredictable or has it? A favorite and always on target with timely and insightful market information.

The **intensive training sessions** will continue all day with **Car-Part.com**, **CheckMate and Hollander** on deck to provide multiple hands-on workshops, training and program demonstrations enhanced by product experts who know their software, know the market, know the parts buyer preferences and can lead the training sessions to new heights with insider techniques and tidbits for **SELLING MORE PARTS**!



Award Luncheon & Trade Show Lloyd Van Horn - Founders Award Saturday 11:30 – 1:00 pm



Car-Part World Tour is coming to Mason City in conjunction with the **Summer Outing**! Car-Part.com will conduct multiply training session at the event throughout the day in various rooms. Visit <u>products.car-part.com/worldtour/ia</u> to pre-register & to receive a free t-shirt!

Hollander Training sessions will fill the afternoon in a second training track to double the educational opportunities for owners, managers, sales staff and inventory specialist!

2:00 - 5:00 Yard Tours at Van Horn Auto Parts & BEHR Iron & Metal 6:00 – Dinner and yard tour at Wilken Auto Salvage – Kensett, Iowa 6:30 – Scholarship/PAC Live Auction followed by Band and Dance

Conference Venue: Historic Park Inn – 15 W State Street - Mason City, Iowa Visit <u>www.IowaAutoRecyclers.com</u> for registration information

SELLING MORE PARTS

Iowa Automotive Recyclers Summer Outing

June 3-4, 2016 Historic Park Inn - Mason City, Iowa

CHAD COUNTS

Shotgun and Rifle – A Guide to Sales Management

While a shotgun may give you a greater chance to hit *A* target, it may not have enough force to generate the results you want. A rifle can be much more tedious and difficult. It takes more focus on a smaller target but yields a much greater result. There are many things to focus on in Sales but focusing on many thing yields few results.

Surviving in Tough Times

Survivalists are consumed with preparation in the face of disaster or catastrophe. Understanding that circumstances are often out of your control, you focus intently on what is in your control to stave off disaster. We will identify the abilities and resources every business must have to stave off disaster.

Hollander

HOLLANDER

is coming to Mason City to provide outstanding training opportunities to the **Iowa Auto Recyclers Summer Outing!** Hollander inventory management and other great tools such as CoreConnect will be presented throughout the afternoon in multiple sessions for owners, managers, sales staff and any function that wants insight to using tools in powerful ways to sell more parts!

Car-Part World Tour

The Car-Part world tour is coming to Mason City in conjunction with the **Iowa Auto Recyclers Summer Outing!** Interactive training classes cover essential daily software for auto recyclers, including Bidmate, Partmate Review, Coremate, Core Pricing, Checkmate Reports, Dashboard, and Checkmate Sales Pro Boot Camp.

The Checkmate Sales Pro Boot Camp classes are an interactive experience. Bring your laptop to join in the hands-on exercises, and build the skills you'll use every day. Speakers will include

Drew Van Devender, Greg Croka, and Theresa Colbert. Classes are free with your Summer Outing registration, but space is limited! So save your spot by visiting <u>products.car-part.com/</u> <u>worldtour/ia</u> (when you register, you'll also receive a free t-shirt!).



EVERY DAY IS EARTH DAY FOR AUTO RECYCLERS

Continued from the front page...

Many automotive recycling facility host special events open to the public to invite folks to drop off tires, used oil or old parts as one way of getting them in the door.

Ontario Automotive Recyclers Association (OARA) and Ontario Tire Stewardship (OTS) conduct the annual OARA Tire Take Back event to raise money for The Sunshine Foundation of Canada. To date, the campaign has raised over \$940,000 for The Sunshine Foundation of Canada, helping to fulfill dreams interest in parts washing particularly power washing for Sunshine Kids through the Individual Dreams and DreamLift programs. Over 60 OARA member auto recyclers have signed on to help collect tires during the 2016 event.

From May 24 to June 4, Ontario residents can drop off unlimited used tires for free at participating auto recyclers during business hours across the province. Every single tire dropped off generates a donation to The Sunshine Foundation.

Other recyclers also open their doors to household hazardous waste generators that have used oil, antifreeze, tires and batteries to discard. The drop off events set the stage for good public relations and consumer education. Some of the facilities pledge a portion of the proceeds from the drop off of tire or batteries to local charities that further the Earth Day goals of conservation and preservations.

May other salvage facilities honor Earth Day by implementing "green" business practices. Some as simple as buying Energy Star appliances and office



equipment when replacements are necessary. Energy Star is an EPA program billed as the "simple choice for energy efficiency." For more information see www.energystar.gov.

Another EPA program called Water Sense just makes, well, sense! The program highlights way that water reduction can help protect the Earth and save money too. For more information see www3.epa.gov/watersense. This could be a good opportunity for automotive salvage facilities that has not previously been considered given the renewed large parts. Self-contained system not only save money on soap and water but also reduce regulatory burdens and in some cases prevent illegal discharge that is a storm water violation!

Whatever path you take, THANKS for celebrating Earth Day every day auto recyclers!



delivery and customer service for every customer every time.

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Recovery of the New Refrigerant R-1234yf

Actual Systems Aurora, CO <u>www.actual-america.com</u>

AI-Jon Manufacturing Ottumwa, IA <u>www.aljon.com</u>

Alter Metal Recycling Des Moines, IA www.altertrading.com

Auto Data Direct, Inc. Tallahassee, FL www.add123.com

Back Lot Auctions, LLC Maquoketa, IA www.backlotauctions.com

Bank Iowa Insurance LLC Waterloo, IA <u>www.bankiowainsurance.com</u>

Behr Iron & Metal Mason City, IA www.BehrlM.com

Brad's Used Parts MegaCenter Viola, IL <u>www.bradsmegacenter.com</u>

Car-Part.com Ft Wright, KY <u>www.car-part.com</u>

Casualty Adjuster's Guide of Iowa/Nebraska Waseca, MN <u>www.cagworld.com</u>

CheckMate Ft Wright, KY <u>www.car-part.com</u> HFO-1234yf is the first in a new class of refrigerants acquiring a global warming potential (GWP) rating 1/335th that of R-134a and an atmospheric lifetime of about 400 times shorter. It was developed to meet the European directive in 2011 requiring that all new car platforms for sale in Europe use a refrigerant in its AC system with a global warming potential (GWP) below 150.

HFO-1234yf, which has a 100-year GWP of 4, could be used as a "near dropin replacement" for R-134a, the current product used in automobile AC systems, which has a 100-year GWP of 1430. This means that automakers would not have to make significant modifications in assembly lines or in vehicle sys-

tem designs to 2 the product. a has the lowest a for automakers

2,3,3,3-Tetrafluoropropene, or HFO-1234yf, is
a <u>hydrofluoroolefin</u> replacement for <u>R-134a</u> as
a refrigerant in automobile air conditioners.

accommodate HFO-1234yf switching cost among the cur-

rently proposed alternatives, although the initial cost of the product is much higher than that of R-134a. Initially, the refrigerant is expected to be about ten times more expensive than R134a. **The higher retail cost of the product should be an incentive in the recovered product market for recyclers.** The product will be handled in repair shops in much the same way as R-134a, although it would require different equipment to perform the service. One of the reasons for that is the mild flammability of HFO-1234yf. Another issue affecting the compatibility between HFO-1234yf and R-134a-based systems is the choice of lubricating oil.

The rule governing the existing products will also apply to the 1234yf refrigerant. Clean Air Act's Venting Prohibition Section 608 prohibits intentionally releasing (also called venting) ozone depleting substance (ODS) refrigerants and most alternatives including all HFCs, HFOs, and their blends, while maintaining, servicing, repairing, or disposing of MVAC equipment. CO2 refrigerants are exempt from the venting prohibition. R134a is an HFC.1234yf is HFO.

Shortly after confirmation from automakers that R-1234yf would be adopted as a replacement of R-134a automotive air-conditioning refrigerant Honeywell and DuPont announced that they will jointly build a manufacturing facility in China to produce HFO-1234yf which is now in operation. Honeywell is also building a new plant in Geismar, Louisiana to produce the new refrigerant too. Although others claim to be able to make and sell HFO-1234yf, Honeywell

and DuPont hold most or all of the patents registered.

The product is classified as slightly flammable but after several years of testing SAE proved that the product could not be ignited under conditions normally experienced by a vehicle.





Bob Schoof, General Manager 1041 Sheffield Avenue Waterloo, IA 50702 319-234-2445 • 800-728-2568 Fax: 319-234-1977 Email: chase@gwestoffice.net

Recovery of the New Refrigerant R-1234yf

In addition, several independent authorities evaluated the safety of the product in vehicles and some concluded it was as safe to use as R-134a used in cars today.

In December 2012, tests by Mercedes-Benz showed that the substance ignited when researchers sprayed it and A/ C compressor oil onto a car's hot engine. Stefan Geyer, a senior Daimler engineer who ran the tests, stated "We were frozen in shock, I am not going to deny it. We needed a day to comprehend what we had just seen."

Combustion occurred in more than two thirds of simulated head-on collisions. The engineers also noticed etching on the windshield caused by the corrosive gases. BMW, and VW-Audi agreed with Mercedes and left the SAE R-1234yf CRP Team, stating that the performed tests are not sufficient to fully judge the safety of their vehicles. The German Automakers have been leaning towards carbon dioxide refrigerant that is safer for both passengers and the environment.

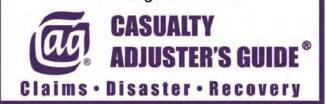


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LKQ Corporation Chicago, IL <u>www.LKQCorp.com</u> Following Mercedes claims that the new refrigerant was unsafe, Germany's Kraftfahrt-Bundesamt (Federal Motor Transport Authority) ran a series of tests. The Authority concluded that while the substance was potentially more hazardous than R-134a, it did not comprise a serious danger. However, the German Automakers disagree with their findings, and test procedures. Following other independent and in house testing, General Motors still plans to transition all new models to the new refrigerant by 2018. Chrysler announced that they would continue the transition to R1234yf as well. Reference: <u>SAE International Publishes a Final Report on R-1234yf</u> Posted on July 25, 2013 by <u>https://macsworldwide.wordpress.com/author/macsworldwide/</u>

The Cooperative Research Project (CRP1234-4) team has confirmed that R-1234yf is safe to use in automotive direct-expansion air conditioning systems. As previously reported the estimated overall risk of vehicle fire exposure attributed to use of R-1234yf is conservatively estimated at 3 x 10¹² events per vehicle operating hour. This is nearly six orders of magnitude less than the current risk of vehicle fires due to all causes (approximately 1 x 10⁶ per vehicle operating hour) and also well below other risks accepted by the general public. All OEMs in the new CRP have indicated agreement with these conclusions. The members are European, North American and Asian OEMs: Chrysler/Fiat, Ford, General Motors, Honda, Hyundai, Jaguar Land Rover, Mazda, PSA, Renault and Toyota. To access the report, visit: <u>http://www.sae.org/standardsdev/tsb/cooperative/crp_1234-4_report.pdf</u>

RobinAir 1234YF Recover, Recycle, Recharge Machine

The AC1234-6 is the only product available today that fully meets SAE's requirement for recovering, recycling and recharging vehicle A/C systems that use the new R-1234YF refrigerant. The AC1234-6 is a fully automatic ACS machine that comes with an integrated refrigerant identifier that samples the refrigerant in the vehicle's A/C system prior to recovery, is a highly accurate and reliable machine, and can service both standard and hybrid vehicle A/C systems. <u>http://www.robinair.com/products/1234yf-recover-recycle-recharge-machine</u>. Grainger has the new recovery pump listed for \$7427 (Item # 44ZY98) while the National Tool Warehouse has the same item for sale via Amazon at \$5920 and Century Tool & Equipment has a machine that meets the specifications by using an adapted fitting listed for \$3950. <u>http://www.centurytool.net/</u> FA1234_CPS_1234YF_R_134a_Refrigerant_Recovery_p/cpsfa1234.htm

Although the EPA requirements DO NOT require recovery only technician to be MACS certified like technicians that recharge systems, the MACS Mobile A/C Training Class "Refrigerant Recovery and Recycling Certification (Section 609)" classes are updated to cover R-1234yf. The acquisition of the new piece of equipment will need to be reported to EPA, just as the R-1234a equipment was when it was first placed in to service at the facility. The EPA Refrigerant Recovery or Recycling Device Acquisition Form can be found at <u>https://www.epa.gov/sites/production/</u> <u>files/2016-03/documents/recoveryform.pdf</u>. If you are unsure or have not reported the original acquisition of refrigerant recovery equipment that same form may be used to do so.



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Professional Automotive Recycling Industry Well Represented at First G7 Workshop on "Life Cycle Concepts" -Focus on the Auto Sector

ARA and other recycling industry stakeholders actively participated in the G7 Alliance on Resource Efficiency's first workshop on March 22 - 23. The 2-day event in Arlington, Virginia was entitled "U.S. Workshop on the Use of Life Cycle Concepts in Supply Chain Management to Achieve Resource Efficiency" and was focused on the auto sector.

ARA President Mike Swift was a presenter on the first panel and discussed the framework of the professional automotive recycling industry and the necessity of the OEM's partnering with recyclers in life cycle design through endof-life strategic planning. His comments were extremely well received by other presenters and workshop participants. ARA CEO Michael Wilson, ARA Director of Policy and Political Affairs Delanne Bernier, Car-Part's Jeff Schroder, Hollander's Anders Moeller, and Eric Harris of ISRI also participated in the twoday sessions.



The workshop was orchestrated by the U.S. Environmental Protection Agency (EPA) and participants included representatives from U.S. and foreign governments, scholars from academia, automakers and other domestic and international auto industry stakeholders as well as experts in life cycle and sustainability from other manufacturing industries. The focus centered on dialogs between the public and private sectors, discussions of life cycle and supply chain analysis and end-of-life challenges. The Alliance was established "...to serve as a forum to share knowledge, create information networks across G7 countries, and encourage collaboration with large and small businesses and relevant stakeholders to advance resource efficiency, promote voluntary best practices, and foster innovation." This workshop was a direct result of the annual summit of G7 countries in Germany in June 2015. Current G7 members and participants are Germany, France, United Kingdom, Italy, Japan, Canada, United States and the European Union. ARA is proud to have been invited to be an active participant in this ground breaking event to educate domestic and international auto industry stakeholders and governmental entities on the critical importance of a robust global automotive recycling sector.

How Trees Can Retain Stormwater Runoff

The Iowa DNR State Forest Nursery's can offer seedling packet of water-loving tree species known for their ability to slow flooding and filter contaminants from the water as well as add screening.

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They can do a create-a-packet that contains 200 seedlings for \$110 plus tax, shipping, handling. You could put one kind in the packet or up to 4 kinds of 50 each. That would be the minimum order.

Contact Sue if you are interested in purchasing one packet of 200 seedlings or want to join in a group shared order so that each yard gets fewer trees than the minimum order. Sue Schauls@gmail.com.

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Page 22

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ARA to Testify Before Congress to Discuss Implementation of New Requirement for Automakers to Provide Safety Recall Parts Data

Implementation is now underway of the multi-year Highway bill that was signed into law in December. **ARA was able to secure a requirement in that new law that automobile manufacturers must provide safety recall component data to the auto recycling industry.**

ARA will be testifying before Congress to discuss implementation of that specific provision. ARA received an invitation to appear before the House Energy and Commerce Subcommittee on Commerce, Manufacturing and Transportation on April 14 as part of a hearing on "Oversight of the National Highway Traffic Safety Administration (NHTSA)".

Michael Wilson, ARA CEO, will join the automakers' two associations

and an advocate for highway safety as witnesses on the second panel. The first panel will be testimony by the NHTSA Administrator, Dr. Mark Rosekind.



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