



# **ACTION NEWS**

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*The First in Synthetics*

JUNE 2003

## **Independent Testing Demonstrates Superior Quality of AMSOIL Gear Lube**



**Motorcycle & ATV  
Filter Cross Reference  
Guide Included in This Issue**

## From the President's Desk...



AMSOIL celebrates its thirty years in business this summer. It's interesting how some things have not changed at all during that time. Thirty years ago, oil companies and vehicle manufacturers were recommending 2,000- to 3,000-mile oil drain intervals. Today, the auto manufacturers have increased their drain recommendations significantly. But despite the improvement in motor oils made during these past 30 years, and despite the fact that the same oils are used in Europe with much longer drain intervals, oil companies here in the U.S. are still promoting 3,000-mile drain intervals.

According to a feature article in the March issue of *Lubes 'n Greases* magazine, that represents the "unneeded production of 300 million to 400 million gallons of engine oil" every year! Who pays for all that unneeded motor oil? It's the motorists who change oil more often than necessary. And who profits from producing all this unneeded motor oil? The oil companies who continue to recommend frequent oil changes!

The article was written by David McFall, past president of the American Petroleum Institute (API) and Automotive Editor for *Lubes 'n Greases* magazine. He minces no words in questioning the motives of oil companies, asking why their oils can be used for 10,000 miles in European vehicles while being recommended for only 3,000 miles here in the United States. Most of us already know the answer to that question. The oil companies don't want to see their market cut by at least half by extending drain intervals. They'll stick to their 3,000-mile drain recommendations as long as the American consumers will keep buying into it, at an estimated annual cost of \$1.5 billion, according to McFall.

Oil specifications and drain recommendations in Europe are controlled by the vehicle manufacturers, with the oil companies having less influence than here in the U.S. Because of higher costs, Europeans are more

careful about wasting energy. They are also very environmentally aware. They would not put up with the cost, waste, and environmental effects of changing their oil every 3,000 miles. They are very aware of the improved performance synthetic motor oils provide. To illustrate how the performance of synthetic oils are appreciated, take note of what follows.

Owners of Mercedes-Benz automobiles in the U.S. were recently awarded a \$32-million settlement because they were not informed they should use synthetic motor oil. Mercedes utilizes a system designed to help owners lower maintenance costs and reduce the adverse environmental impact of used motor oil. The system extends drain intervals to when the oil actually needs to be changed, rather than at set predetermined intervals. They start with 10,000-mile drains and push them up to 20,000 miles, using synthetic motor oils!

The problem occurred because these U.S. owners were told to use conventional motor oils, which could not stand up to those extended drain intervals. According to the suit, this promoted more engine wear than if they had been using the originally specified synthetic oil. Now if that isn't a testimonial as to the superior performance of synthetic motor oils, I don't know what is. Thirty-two million dollars is a tidy sum to pay for increasing engine wear, but the company did not dispute the fact that the drain intervals determined by their system were too long for conventional oils.

McFall's article singled out AMSOIL as the only oil company actually recommending extended drain intervals. He notes that the other oil companies either don't make drain recommendations or stick with their 3,000-mile recommendation. Consumers must refer to their owner's manuals, which almost always recommend more miles between oil changes than 3,000 miles for normal operation, or they can listen to their car dealers or oil change specialists, who push frequent oil changes to keep their cash registers ringing.

Mercedes-Benz should be commended for specifying synthetic lubricants for their superior performance and for extending drains to minimize the adverse effects of used motor oil on the environment. As time goes on, there will be an increasing number of companies who will do the same. But that won't happen if the oil industry can help it. They are actively working to keep the status quo, promoting many more oil changes than necessary, wasting precious resources, and creating the need to dispose of more pollutants in the form of used motor oil.

AMSOIL coined the term "extended drain intervals" back in the early days of the company. We were the pioneer in extending drains, producing synthetic lubricants that performed well beyond what anyone thought possible. Today, like in this article by McFall, we are recognized as the leaders in producing extended drain lubricants. Our success proves the world is ready for our products. There is no doubt they are needed more today than ever.

A handwritten signature in blue ink that reads "A. J. Amatuzio". The signature is written in a cursive, flowing style.

A. J. "Al" Amatuzio  
President and CEO, AMSOIL INC.



# DEALERS IN ACTION!

## AMSOIL Performance Catches Pro Angler

Preferred Customer Shawn Towner, Oshawa, Ontario, Canada, may practice catch-and-release as an angler, but Towner says AMSOIL products are keepers – all of them.

“Being a professional angler for the past six years, I rely on the performance of my equipment,” Towner said. “Most important are my tow vehicle and boat motor.”

Towner first tried AMSOIL products three years ago and he’s been sold ever since. “I have switched to AMSOIL lubricants in all applications,” he said.

AMSOIL 5W-30 Synthetic Motor Oil and AMSOIL ATF are in his 1994 Chevy Astro Van towing vehicle – which has more than 119,000 miles on the engine – and he uses AMSOIL Series 2000 2-Cycle Racing Oil in his 2002 Mercury XR6 150 horsepower outboard motor on his 2002 Triton TR-185 bass boat.

“The racing oil has really peaked the performance of my engine,” Towner said. “There’s less smoke at start-up, no plug fouling, no buildup on the carburetors. Everything is nice and clean in the engine, and I get great performance. The engine never falters.”

He uses AMSOIL Series 2000 Synthetic Racing Grease and AMSOIL oil filters.

“The oil filters are superior to anything else that’s made,” he said.

Towner and his competitive fishing partner, Rick Stuart, hope to take the Canadian Sport Fishing League (CSFL) championship this year. They fish the Bassmania Tournament Trail in Canada, the country’s premiere competitive fishing circuit. It includes 14 separate contests and culminates in a three-day event for the championship.

Towner remains busy when he’s not on the tournament circuit, giving guided fishing trips for visitors

and teaching children fishing and conservation, which is a particular joy for him. He also is a contributing outdoor writer for *Bassmedia* magazine and *Fishing Information News and Views*.

His tournament fishing this year is partially sponsored by AMSOIL Direct Dealer Walter de Vries of Bowmanville, Ontario, Canada, a veteran AMSOIL Dealer of more than 20 years.

“Walter carries an extensive line of products and has supplied me with everything I need to keep me

running smooth on the road and water,” Towner said. “Along with the product, Walter has supplied me with all the promotional materials I need to help showcase AMSOIL products . . . It promises to be a busy season.”

Before he switched to AMSOIL, Towner used Castrol synthetic and got about 340 miles to a tank of gasoline in the van. After nearly a full year on his current AMSOIL 5W-30, he’s still getting about 400 miles per tank of gasoline.

Although Canada had record cold and snowfall this year, with temperatures -25 to -35 degrees C, Towner was confident his van would start. “I had turnkey starts every time,” he said.

When he decided to put AMSOIL lubes in his Mercury outboard, Towner contacted the manufacturer and was told AMSOIL is a superior product and he should use it. “They’re totally impressed with the prod-

uct,” Towner said.

He takes AMSOIL literature with him on the tournament trail and to boat and trade shows. He directs anyone who shows interest in AMSOIL products to the AMSOIL corporate website.

Towner tells people: “With a little simple maintenance and AMSOIL synthetics, your vehicles will last forever.”



**BASSMANIA** – Preferred Customer Shawn Towner, Oshawa, Ontario, Canada, shows off his 5.4 pound largemouth bass that helped win first place last year at a Bassmania Tournament in Canada. Towner tells everyone he meets that AMSOIL lubes are the best on the market.

# MONTHLY LE



**LaDonna Harrison & LaVel Rude**  
 Minnesota  
 ★★★★★Regency Platinum Direct Jobbers  
**FIRST**—Total Organization  
 Tenth—Personal Group Sales



**Ray and Arlene Schmit**  
 Minnesota  
 ★★★★★Regency Platinum Direct Jobbers  
 Second—Total Organization  
**FIRST**—Personal Group Sales



**Members, Leadership Council**  
**Mark and Sherree Schell**  
 Idaho  
 ★★Regency Platinum Direct Jobbers  
 Third—Total Organization  
 Third—Personal Group Sales



**Leonard and Eunice Pearson**  
 Washington  
 ★Regency Platinum Direct Jobbers  
 Fourth—Total Organization



**Dave M. Mann**  
 Michigan  
 Regency Gold Direct Jobber  
**FIRST**—New Qualified Dealers and Accounts  
 Fifth—Total Organization  
 Second—Personal Group Sales



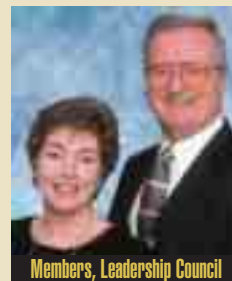
**Members, Leadership Council**  
**William and Judith Shirk**  
 Maine  
 Regency Platinum Direct Jobbers  
 Ninth—Total Organization  
 Fourth—Personal Group Sales



**Patrick and Donna Grady**  
 Oklahoma  
 Regency Gold Direct Jobbers  
 Tenth—Total Organization



**Daniel and Judy Watson**  
 Florida  
 Regency Gold Direct Jobbers  
 Fifth—Personal Group Sales



**Members, Leadership Council**  
**Gerry and Patricia Reid**  
 Virginia  
 Regency Gold Direct Jobbers  
 Sixth—Personal Group Sales  
 Sixth—New Qualified Dealers and Accounts



**Edwin L. Greenwood**  
 Oregon  
 Master Direct Jobber  
 Fourth—Commercial and Retail Marketing



**Robert and Jean Johnson**  
 New Hampshire  
 Master Direct Jobbers  
 Fifth—Commercial and Retail Marketing



**Michael J. Mathe**  
 Michigan  
 Premiere Direct Jobber  
 Third—New Qualified Dealers and Accounts



**Larry and Kathryn Chambless**  
 Georgia  
 Regency Gold Direct Jobbers  
 Fourth—New Qualified Dealers and Accounts



**Michael and Eileen Kaufman**  
 Michigan  
 Executive Direct Jobbers  
 Fifth—New Qualified Dealers and Accounts



# ADERS

March  
2003

# HALL OF FAME



Member, Leadership Council

**Ora Mae Boardman**  
*Virginia*  
Regency Platinum Direct  
Jobber  
Sixth—Total Organization



**David and Carol Bell**  
*Texas*  
Regency Platinum Direct  
Jobbers  
Seventh—Total Organization  
Ninth—Personal Group Sales  
Eighth—New Qualified Dealers  
and Accounts  
**FIRST**—Commercial and  
Retail Marketing



**George and Shirley Douglas**  
*Florida*  
Regency Gold Direct Jobbers  
Eighth—Total Organization  
Seventh—Personal Group Sales



Members, Leadership Council

**Thomas and Sheila Shalin**  
*Texas*  
Regency Silver Direct Jobbers  
Eighth—Personal Group Sales  
Second—New Qualified  
Dealers and Accounts



**Herschel L. Gates**  
*Florida*  
Premiere Direct Jobber  
Second—Commercial and  
Retail Marketing



**Michael H. Ellis**  
*Michigan*  
Regency Gold Direct Jobber  
Third—Commercial and Retail  
Marketing



**David and Rebecca Reid**  
*Virginia*  
Premiere Direct Jobbers  
Seventh—New Qualified  
Dealers and Accounts



**John and Jeanne Burke**  
*California*  
Master Direct Jobbers  
Ninth—New Qualified Dealers  
and Accounts



**Steve and Linda Cross**  
*Colorado*  
Regency Silver Direct  
Jobbers  
Tenth—New Qualified  
Dealers and Accounts

AMSOIL Hall of Fame members are recognized for their long-standing service, achievement and commitment to excellence.



**Bill and Donna Durand,**  
★★★★Regency  
Platinum



**Shirley Green,**  
Regency Platinum



**Dorothy Hansen,**  
Regency Platinum



**Harold and Marcile Hartman,**  
Regency Platinum

# HIGHER LEVELS OF

## MASTER DIRECT JOBBER

Robert & Jean  
Johnson  
New Hampshire



## PREMIERE DIRECT JOBBER

Peter F. Boken  
Ontario



## NEW DIRECT JOBBER



Walter DeVries  
Ontario  
Sponsors: Melvin & Sheila Johnson  
Direct Jobbers: Carl & Kimberlee  
McNamee



Alan W. Hillman  
Virginia  
Sponsors: Wallace & Katherine Hillman  
Direct Jobbers: Wallace & Katherine  
Hillman



Donald S. Lynch  
Maine  
Sponsors: Edward & Cynthia Sanders  
Direct Jobbers: Edward & Cynthia  
Sanders



Ron E. Toomes  
Montana  
Sponsor: Vincent Lentz  
Direct Jobber: Vincent Lentz

## NEW DIRECT DEALERS



George D. Will  
Minnesota  
Sponsors: Ray & Arlene Schmit  
Direct Jobbers: Ray & Arlene Schmit



Jonathan L. Lackman  
Missouri  
Sponsor: John P. Pizzo  
Direct Jobbers: Ray and Arlene Schmit

# RECOGNITION

March 2003

## 1500 Level Honors 1500 monthly commission credits 15 Dealers sponsored

**Bryan Enloe**, *Texas* Sponsor: Ron K. Humphrey

**Dennis and Linda Grove**, *Maryland* Sponsors: William and Barbara Stancil

**Thomas Reichensperger**, *Minnesota* Sponsor: Steven Hanson

**Arthur and Donna Riggle**, *Arizona* Sponsor: Dick Nudo

## 1000 Level Honors 1000 monthly commission credits 10 Dealers sponsored

**Joseph B. Coulson**, *Illinois* Sponsor: Harry Norris

**Gary R. Crawford**, *New Mexico* Sponsors: Jerry and Judy Goss

**Chalmer and Eleanor Miller**, *Colorado* Sponsors: Hans and Lotte Lueders

**Daniel F. Veiga**, *Maryland* Sponsors: James and Juli Graydon

## 500 Level Honors 500 monthly commission credits 5 Dealers sponsored

**Franklin and Deborah Douglas**, *Michigan* Sponsors: Edward and Mary Lake

**Joe and Patricia Dupp**, *New Jersey* Sponsor: Dave Mann

**Bob L. Enoch**, *Ohio* Sponsor: Robert T. Riley

**Walter and Ana Gordon**, *California* Sponsor: Arthur F. Loveland

**Merlyn V. Johnson**, *Iowa* Sponsors: Charles and Margaret John

**Bill Kropf**, *Oklahoma* Sponsor: Danny James

**Eric E. Latham**, *Wisconsin* Sponsor: Thomas Reichensperger

**Merle D. Miller**, *Ohio* Sponsors: James and Karen Kranda

**Francis Murphy**, *New Jersey* Sponsor: Patricia A. Reid

**Terry W. Simmons**, *Pennsylvania* Sponsor: Joseph and Nanette Caquatto

**Christopher J. Weaver**, *New Hampshire* Sponsor: Scott Butterfield

## 300 Level Honors 300 monthly commission credits 3 Dealers sponsored

**David Brenneman**, *Pennsylvania* Sponsor: David A. Brenneman

**Lynn and Robin Craig**, *Oklahoma* Sponsor: David M. Umfleet

**Ronald N. Donato**, *New York* Sponsor: Mark G. Cesarotti

**Frank and Virginia Lecrone**, *Pennsylvania* Sponsors: Eugene and Diane Smith

**Charles and Priscilla Quinn**, *West Virginia* Sponsors: Larry and Debra Gregory

**Robert E. Riley**, *Florida* Sponsor: Dave M. Mann

**Harold and Theresa Smith**, *Arkansas* Sponsor: Roger Tisdale

**David and Dawn Spaay**, *Illinois* Sponsor: Dave M. Mann

**Earl and Mattie Ulrich**, *Indiana* Sponsors: Leroy and Malinda Hochstetler

**Zane and Lil Wispinski**, *British Columbia* Sponsor: Guy R. Desrosiers



# AMSOIL Synthetic Gear Lube Out

High quality gear oils must lubricate, cool and protect geared systems. They must also carry damaging wear debris away from contact zones and muffle the sound of gear operation. Commonly used in differential gears and standard transmission applications in commercial and passenger vehicles, as well as a variety of industrial machinery, gear oils must offer extreme temperature and pressure protection in order to prevent wear, pitting, spalling, scoring, scuffing and other types of damage that result in equipment failure and downtime. Protection against oxidation, thermal degradation, rust, copper corrosion and foaming is also important.

AMSOIL submitted its 75W-90 Synthetic Gear Lube (AGR) and Valvoline 75W-90 Gear Lube to an independent laboratory for quality comparison tests. The gear lubes were tested according to ASTM testing procedures in several critical performance areas, including oxidation resistance, viscosity retention and cold temperature fluidity. Oxidation resistance was measured using the L-60-1 Thermal Oxidation Stability Test, viscosity retention was measured using the KRL Shear Stability Test and cold temperature fluidity was measured using the Brookfield Viscosity Test. Additional load carrying, wear, extreme pressure and scoring protection tests were performed exclusively on AMSOIL 75W-90 Synthetic Gear Lube using the L-37 High Torque Axle Test and the L-42 High Speed Axle Test.



Synthetic Gear Lube outperformed Valvoline at both test lengths.

Even at double the standard test length, AMSOIL 75W-90 scored almost four times better than industry test specifications in the area of viscosity increase, while also greatly exceeding specifications in all areas of the test.

The photographs on the following page show the superior deposit-control characteristics of AMSOIL 75W-90 Synthetic Gear Lube.

## L-60-1 Thermal Oxidation Stability Test

### Test Conditions

The L-60-1 Thermal Oxidation Stability Test measures a lubricant's rate of deterioration under severe oxidation conditions. A measured sample of test lubricant is placed in a special gear case with two spur gears and a copper catalyst strip. The gears are driven at 1,725 rpm at 163°C for a 50-hour duration, while air is bubbled through the sample.

Viscosity increase, deposits not soluble in pentane or toluene, carbon varnish and sludge deposits are measured upon test completion. Test specifications are listed to the right.

### Test Results

Because AMSOIL 75W-90 Synthetic Gear Lube is a premium lubricant designed for extended drain service, the test was allowed to continue for 100 straight hours, double the standard test length. The Valvoline 75W-90 was run at both the standard 50-hour test length and the double 100-hour test length. Test results indicate AMSOIL 75W-90

L-60-1 Thermal Oxidation Stability Test Specifications			
	API GL-5	API MT-1/SAE J-2360/ MIL-PRF-2105E/Mack GO-J	Mack GO-J+
<b>Test Conditions</b>	50 hours @ 163°C.	50 hours @ 163°C.	100 hours @ 163°C.
<b>Viscosity Rise, %</b>	100 Max.	100 Max.	100 Max.
<b>Pentane Insolubles, %</b>	3 Max.	3 Max.	3 Max.
<b>Toluene Insolubles, %</b>	2 Max.	2 Max.	2 Max.
<b>Carbon Varnish, rating</b>	Not Required	7.5 Min.	7.5 Min.
<b>Sludge, rating</b>	Not Required	9.4 Min.	9.4 Min.

L-60-1 Thermal Oxidation Stability Test Results			
	AMSOIL Synthetic 75W-90	Valvoline 75W-90	Valvoline 75W-90
<b>Test Conditions</b>	100 hours @ 163°C.	50 hours @ 163°C.	100 hours @ 163°C.
<b>Viscosity Rise, %</b>	25.17	17.50	38.50
<b>Pentane Insolubles, %</b>	0.20	0.87	1.17
<b>Toluene Insolubles, %</b>	0.13	1.11	0.99
<b>Carbon Varnish, rating</b>	8.0	7.2	5.9
<b>Sludge, rating</b>	9.5	9.4	9.4



# performs Valvoline Gear Lube

## L-60-1 Thermal Oxidation Stability Test Results

AMSOIL 75W-90 (100 hours)

Valvoline 75W-90 (100 hours)

Valvoline 75W-90 (50 hours)



**Even after enduring a double-length, 100-hour L-60-1 Thermal Oxidation Stability Test, AMSOIL 75W-90 Synthetic Gear Lube produced significantly fewer deposits than Valvoline 75W-90 run at a standard, 50-hour test.**

### KRL Shear Stability Test

#### Test Conditions

It is essential that high-quality gear lubes resist shear to ensure adequate oil film thickness and protection against friction and wear. The KRL Shear Stability Test is used to determine the mechanical shear stability of lubricants containing polymer. Mandatory under the SAE J-306 gear oil standard, the KRL Shear Stability Test makes use of a taper roller bearing in order to shear the test fluid and determine the permanent drop in viscosity caused by the mechanical stress under practical conditions. Under the specifications of SAE J-306, the measured viscosity at 100°C (212°F) of an SAE 90 gear oil must exceed 13.5 cSt after 20 hours of testing.

#### Test Results

AMSOIL 75W-90 Synthetic Gear Lube easily exceeded SAE J-306 specifications following the 20-hour test length and was allowed to continue for a total of 192 straight hours, almost 10 times longer than the standard test length. Even after this extended test, AMSOIL 75W-90 lost only 0.40 percent of its original viscosity, making it 99.6 percent shear stable.

Valvoline 75W-90 Gear Lube, on the other hand, failed the test during the initial 20-hour testing period, losing 14 percent of its original viscosity.

### Brookfield Viscosity Test

#### Test Conditions

The Brookfield Viscosity Test (ASTM D-2983) is used to determine the internal fluid-friction of a lubricant during cold temperature operation. The lubricant sample is chilled in a -40°C (-40°F) air bath for 16 hours, and a Brookfield viscometer determines the torque required to shear the lubricant. The lower the cold temperature viscosity (measured in centipoise), the better the cold temper-



KRL Test Results	AMSOIL 75W-90 (After 192 hr. KRL)	Valvoline 75W-90 (After 20 hr. KRL)
Beginning Viscosity @ 100°C (cSt)	15.09	14.46
Ending Viscosity @ 100°C (cSt)	15.03 (pass)	12.42 (fail)
% Viscosity Loss, 100°C	0.40%	14.10%

ature protection. ASTM specifications dictate that 75W-90 gear oils measure less than 150,000 cP at test completion.

### Test Results

AMSOIL 75W-90 Synthetic Gear Lube easily passed the Brookfield Viscosity Test, measuring 88,000 cP at test completion, 42 percent less than test limits. The superior cold temperature properties of AMSOIL 75W-90 Synthetic Gear Lube ensure quicker oil flow, enhanced component protection and improved fuel efficiency.

Many conventional lubricants fail to pass the Brookfield Viscosity Test due to the paraffinic (wax) content in their base oils. Valvoline Gear Lube passed the test at 130,000 cP, only 13 percent lower than test limits.

## L-37 High Torque Axle Test

### Test Conditions

The L-37 High Torque Axle Test is used to evaluate a gear lubricant's load-carrying, wear and extreme pressure characteristics in hypoid gears operating under both high-speed/low-torque and low-speed/high-torque conditions. A Dana Model 60 hypoid gear axle is used with either coated or uncoated drive gear and pinion to drive two dynamometers from an eight-cylinder, 5.7-liter gasoline engine. With the axle filled with the test lubricant, the high-speed/low-torque test is performed for 100 minutes, with the gears visually assessed afterwards. Next, the low-speed/high-torque test is run for 24 hours, followed by a thorough inspection of the gears. Performance relative to API GL-5 and MIL-PRF-2105E specifications is assessed based on tooth surface rippling, ridging, pitting and wear, deposits and discoloration.

### Test Results

Testing on AMSOIL 75W-90 Synthetic Gear Oil was conducted using uncoated gear and pinion. The AMSOIL lubricant passed on all counts and showed little to no rippling, ridging, pitting or deposits, indicating that AMSOIL 75W-90 provides superior protection and performance under extreme pressure conditions.



*The gears protected by AMSOIL 75W-90 Synthetic Gear Oil showed little to no rippling, ridging, pitting or deposits following the L-37 High Torque Axle Test.*

## L-42 High Speed Axle Test

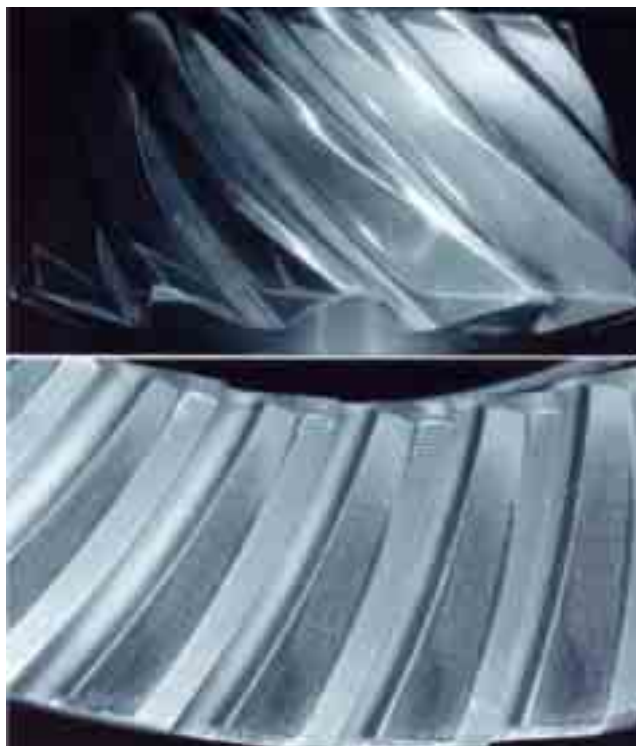
### Test Conditions

The L-42 High Speed Axle Test evaluates the anti-scoring characteristics of a gear lubricant operating under high-speed and shock-loading conditions. A Spicer Model 44-1 hypoid gear axle is driven by a 5.7 liter, V8 gasoline engine with a four-speed truck transmission and two high-inertia dynamometers and hard accelerated to 100 mph. The axle is periodically shock-loaded through a dynamometer to simulate high shock-loading conditions. The axle is accelerated through the gears to 1,050 r/min and decelerated to 530 r/min. This cycle is repeated five times, followed by 10 shock loadings. In order to meet API GL-5 and MIL-PRF-2105E gear oil specifications, scoring must be equal to or better than gears tested with a reference oil.

### Test Results

AMSOIL 75W-90 Synthetic Gear Oil easily passed the L-42 High Speed Axle Test, receiving a significantly better rating than the reference oil and leaving little to no scoring on the ring and pinion.

L-42 High Speed Axle Test		
	AMSOIL 75W-90	Reference Oil
Ring	13	19
Pinion	18	27



*The gears protected by AMSOIL 75W-90 Synthetic Gear Oil showed little to no scoring following the L-42 High Speed Axle Test.*

# Types of Lubrication

Lubrication can generally be defined as the reduction of friction by using a fluid lubricant. Although the concept is simple, in practice this procedure becomes much more complex. In fact, lubrication by this method can be divided into four basic types or regimes.

When a fluid lubricant is present between two rolling and/or sliding surfaces, a thicker pressurized film can be generated by the movement of the surfaces (velocities). The noncompressible nature of this film separates the surfaces resulting in no metal-to-metal contact. The condition in which surfaces are completely separated by a continuous film of lubricating fluid is commonly referred to as **Hydrodynamic** or **Full Fluid Film Lubrication**.

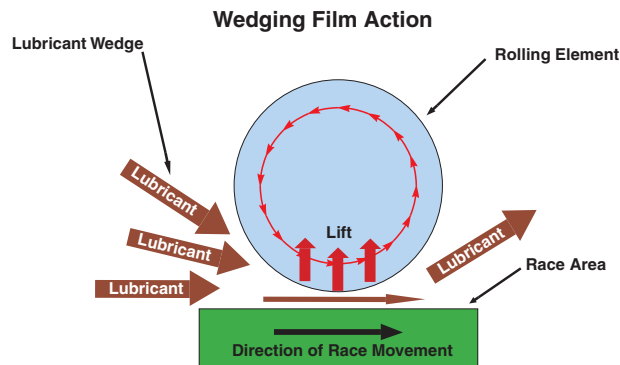
In this regime, the lubricant immediately adjacent to each surface travels at the same speed and direction of each surface. If you were to travel through the width of the film, differential speed graduates and direction is reversed.

Hydrodynamic film thickness can be formed by wedging the lubricant through a convergent gap with the tangential surface velocities. Known as wedging film action, this is similar to a car tire hydroplaning on a wet road surface. Hydrodynamic lubrication often occurs in components such as cylinders, gears and plain bearings.

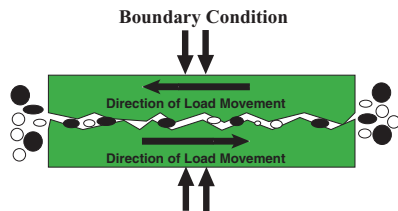
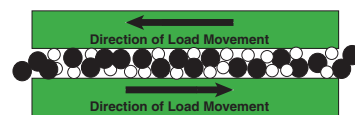
Although hydrodynamic lubrication is the ideal situation, in many instances it cannot be maintained. Factors which affect hydrodynamic lubrication include lubricant viscosity, rotation speed or RPM, oil supply pressure and component loading.

An increase in speed or viscosity increases oil film thickness. An increase in load decreases oil film thickness.

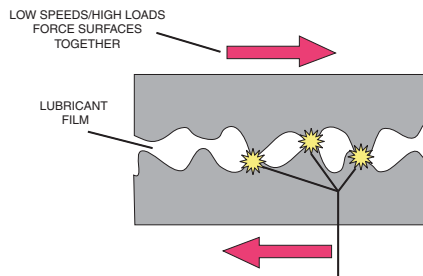
**Boundary Lubrication** (sometimes referred to as thin film lubrication) is a condition in which the lubricant film becomes too thin to provide total separation. This may be due to excessive loading, speeds or a change in the fluid's characteristics. In such a situation, contact between surface asperities (peaks and valleys) occurs. Friction reduction and wear protection is then provided through chemical compounds rather than properties of the lubricating fluid. Boundary lubrication often occurs during the start-up and shutdown of equipment or when loading becomes excessive. This condition can commonly be observed in certain types of gear sets that need to withstand sliding pressures and shock loading such as hypoid gear sets found in automotive differentials.



Full Fluid Film (Hydrodynamic) Condition



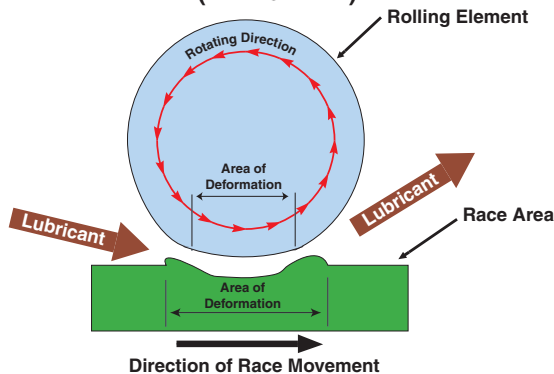
Boundary Lubrication



Lubricant film is too thin to provide total surface separation. Contact between surface asperities (or microscopic peaks and valleys) occurs. Friction reduction and wear protection is then only provided through chemical additives.

## Elastohydrodynamic Lubrication

(EHD or EHL)



**Mixed Film Lubrication** is a combination of both hydrodynamic and boundary lubrication. In such a situation only occasional asperity contact occurs. This condition can be the result of lubricant breakdown or increased load placed upon the lubricant.

**Elastohydrodynamic Lubrication (EHD or EHL)** occurs as pressure or load increases to a level where the viscosity of the lubricant provides a higher shear strength than the metal surface it supports. This regime can occur in roller bearings or gears as the lubricant is carried into the convergent zone approaching a contact area or the intersection of two asperities. As a result, the metal surfaces deform elastically in preference to the highly pressurized lubricant which increases the contact area and thus increases the effectiveness of the lubricant.

Understanding these different types of lubrication can assist in the selection of the proper lubricant and prevention of equipment failure.



# Racing Into the Future

AMSOIL 30th

July 17-19, 2003

Duluth Entertainment and  
Convention Center

Register Today for \$125

[www.amsoil.com](http://www.amsoil.com) or by telephone 1-800-777-7094

Credit cards will be billed at the time of registration. Cancellations without penalty will be accepted up to 30 days in advance of the convention, June 16. Cancellations between June 17 and July 16 will be subject to a 20 percent fee. No refunds available for cancellations after July 16. Special consideration will be given.

## Win an AMSOIL Trade Show Display Unit



**X VALLEY**  
EXPO & DISPLAYS  
Rockford, IL Madison, WI Milwaukee, WI

All Dealers attending the convention  
get one chance to win a state-of-the-art  
trade show display.

Display booth details can be found in flier inserted  
in this issue of the *Action News*.

## *“Wheel and Deal”*

with **Al Amatuzio**

Be part of the fun as Dealers “Wheel and deal” with Al Amatuzio and earn cash. However, Al may make you an offer you can't refuse. Five dealers will win \$1,000. This fast-paced game of chance promises lots of laughs as well as profits. It's a gamble, but no contestant leaves empty-handed.

Expert speaker Jim Cathcart will entertain, inspire and challenge Dealers with thought-provoking business ideas and concepts.

## *Day Care Information*

Non-Licensed Day Care is provided on site at the DECC for children up to 12 years of age. The cost is \$75.

**Hours: Thursday** 1 pm - 4 pm  
**Friday** 10 am - 4 pm  
**Saturday** 9 am - 9 pm

13 - 17 yr. olds may register to attend the Convention with parents @ \$75.00

# Anniversary International Convention



## Anniversary Cap & Visor

White six-panel cap proudly displays AMSOIL 30th Anniversary logo and includes preformed visor with patriotic flag peak and buckle closure. White visor features 30th Anniversary logo, preformed visor with blue peak and velcro closure.

Stock #	Description	U.S.	Can.
G-1889	Cap	12.00	19.25
G-1898	Visor	12.00	19.25



## Anniversary Watches

Matching men's and women's watches feature AMSOIL 30th Anniversary logo captured on a 3-D custom medallion watch face and protected behind a scratch-resistant mineral glass crystal.

Premiere quartz movement and adjustable stainless steel bracelets. Packaged in a reusable round gift box.

Stock #	Description	U.S.	Can.
G-1886	Men's Watch	35.00	56.75
G-1887	Women's Watch	35.00	56.75



## Anniversary Storybook Crystal

Limited Edition AMSOIL 30th Anniversary Storybook Crystal Glasses powerfully, poignantly and permanently tell the AMSOIL story in a set of four beautifully etched crystal glasses. Glasses and corresponding story are incorporated into a hardbound storybook presentation box. Each 14 oz. glass features its own unique design with the AMSOIL 30th Anniversary logo etched on the back.



Stock #	U.S.	Can.
G-1850	69.00	112.50



## Anniversary Clock

The ideal gift or desk accessory, this stylish, sophisticated and solid 30th Anniversary Artisan Clock (3"x2.5"x1") from Leed's is constructed of heavy matte silver over alloy graphite. The AMSOIL 30th Anniversary is commemorated with a tasteful laser engraving on the face of the clock.

Stock #	U.S.	Can.
G-1888	20.00	32.50

## Anniversary Shirts

Limited Edition AMSOIL 30th Anniversary Shirts, designed by Vantage Custom Classics, feature full-color AMSOIL 30th Anniversary logo and 100 percent mercerized cotton for a silky, soft and refined fashion look. Men's style with navy color and coordinating women's style with scoop neck and hemmed bottom. Order in time for the convention and save. Men's and women's sizes: S-XXL.



### Men's Shirt

pricing effective through July 20:

Stock #	Size	U.S.	Can.
G-1875	S	35.00	56.75
G-1876	M	35.00	56.75
G-1877	L	35.00	56.75
G-1878	XL	35.00	56.75
G-1879	XXL	35.00	56.75

### Men's Shirt

pricing effective after July 20:

Stock #	Size	U.S.	Can.
G-1875	S	44.95	72.50
G-1876	M	44.95	72.50
G-1877	L	44.95	72.50
G-1878	XL	44.95	72.50
G-1879	XXL	46.95	75.75

### Women's Shirt

pricing effective through July 20:

Stock #	Size	U.S.	Can.
G-1880	S	30.00	48.75
G-1881	M	30.00	48.75
G-1882	L	30.00	48.75
G-1883	XL	30.00	48.75
G-1884	XXL	30.00	48.75

### Women's Shirt

pricing effective after July 20:

Stock #	Size	U.S.	Can.
G-1880	S	39.95	64.50
G-1881	M	39.95	64.50
G-1882	L	39.95	64.50
G-1883	XL	39.95	64.50
G-1884	XXL	41.95	67.75



## Anniversary Lapel Pin

The AMSOIL 30th Anniversary logo is custom die struck, color-filled and hand-polished into this striking lapel pin. A convenient, easy-to-wear remembrance.

Stock #	U.S.	Can.
G-1892	3.75	6.00



## Anniversary Plastic Bags

13.5" x 15" heavy-duty, double-wall shopping bags display the AMSOIL 30th Anniversary logo on both sides and feature a die-cut handle.

Stock #	Qty.	U.S.	Can.
G-1870	5 bags	2.00	3.25

**Call 1-800-777-7094 to order.**



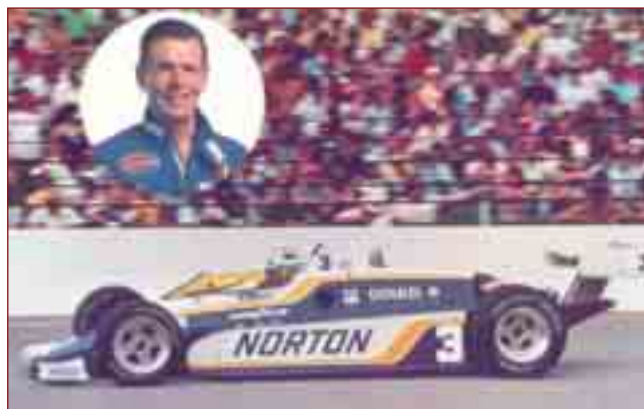
# Remembering the

AMSOIL has a long heritage in racing. The company's involvement peaked in the 1980's with the sponsorship of such racing greats as three-time Indianapolis 500 champion Bobby Unser and two-time Indy Champion Al Unser, Jr. The Unser connection also included Bobby, Jr., who won the famous Pike's Peak Hill Climb in 1981. AMSOIL brought its own car to "The Brickyard" in 1980. Dick Ferguson qualified the "AMSOIL Special" for the "Greatest Spectacle in Racing." Unfortunately the dream was short-lived due to a crash.

AMSOIL was a major sponsor of American Speed Association racing which featured future NASCAR superstars Alan Kulwicki, Dick Trickle and Mark Martin. In fact,

a die-cast replica of Martin's blue Camaro with an AMSOIL logo emblazoned on the hood has been available in NASCAR memorabilia shops and on-line. AMSOIL racing brings back names like Dave Watson, Bob Senneker, Buddy Schrock and Butch Miller. When he wasn't driving or working on racecars, Watson was answering questions for AMSOIL *Pipeline* readers.

AMSOIL wasn't just into automobile racing. *The First in Synthetics* ventured into powerboat racing with the first family of the sport, the Seebolds, with Mike Seebold piloting. Team Aaen moved AMSOIL into Ice Oval snowmobile racing with Hall of Famer Bobby Donahue and it was "Showtime" for Tom Hoover with AMSOIL.



Bobby Unser raced hard for AMSOIL and remains close to President Al Amatuzio to this day.



Mark Martin and AMSOIL teamed up on the ASA racing circuit.



Seebold Racing put AMSOIL to the test on water 20 years ago.



AMSOIL was big in drag racing with legendary funny car driver Tom Hoover.



Team Aaen and AMSOIL were dominant on the ice racing circuit.



A young Al Unser, Jr. makes his name in racing with AMSOIL products in his car's engines.



An example of the AMSOIL popularity in racing was its front-of-the-field emergence in SCCA events.



# Past



Dave Watson lent his driving talents and racing knowledge to AMSOIL.

## Groundbreaking to Heartbreaking at "The Brickyard"

Dick Ferguson piloted the "AMSOIL Special" at the 1980 Indy 500.



The AMSOIL sponsored Penske PC-6 was powered by a Cosworth Ford DFX 8-cyl. engine. In 1980, Dick Ferguson qualified the "AMSOIL Special" 15th in the field of 33. Unfortunately the world never got to see what the car could do because of an early race accident. Still, the car set a precedence being the first totally synthetic-lubricated car to compete at Indy. The United States Auto Club officially certified this distinction. Today, AMSOIL synthetics are used by top teams in the biggest arenas of all motorsports.

## Racing Into the Future

Today, AMSOIL enjoys resurgence in the racing world and more exposure than ever before. New teams and drivers are forging names for themselves as the Team AMSOIL presence grows in all segments of motorsports.

Steve Scheuring has taken drivers DJ Eckstrom and Justin Tate to the top of world-class snocross racing. Motocross/supercross riders like two-time national and US Open champion Mike LaRocco, along with 2003 125 West supercross champion Travis Preston have allowed Rick Zielfelder to create one of the most popular and recognized teams. Formula One powerboat racing has legendary Terry Rinker representing AMSOIL. The company has expanded into off-road racing with Dan Vanden Heuval and Mike Oberg.

Dealers and their co-op sponsorships have AMSOIL involved in everything from monster trucks and mudders to professional anglers and offshore powerboats. AMSOIL is racing into the future. Come meet many of the top AMSOIL racers at the 30th Anniversary Convention July 17-19, 2003.



Team AMSOIL grabs another checkered flag. This one belongs to Terry Rinker.



The snowmobile market grows for AMSOIL due in part to the top finishes of D.J. Eckstrom and Team AMSOIL.



Mike LaRocco leads AMSOIL to the podium in motocross and supercross.



## T-1 CERTIFICATION MEETINGS

### OHIO

• June 24 - Tuesday  
 • July 22 - Tuesday  
 Meeting - 7 p.m.  
**DENATO'S PIZZA ON BROADWAY**  
 Grove City, OH 43123  
 Hosted by Premiere Direct Jobber  
 Brad White 800-871-5921 Cost is \$20

### UTAH

• June - Every Friday  
 • July - Every Friday  
 Meeting - after 4 p.m.  
**GREENE RESIDENCE**  
 11653 S. Patchwork Circle  
 South Jordan, UT 84095  
 Hosted by Dealer Dorsey Greene  
 (801) 253-2701  
 Pre-paid registration required

## AMSOIL DEALER MEETINGS

### ALABAMA

• June 19 - Thursday  
 • July 17 - Thursday  
 Meeting - 7 p.m.  
**STANLEO'S SUB VILLA**  
 Governor's Drive  
 Huntsville, AL  
 Hosted by Direct Jobbers  
 Cliff Goehring & Gerry Gotvald  
 (256) 337-0376

• June 19 - Thursday  
 • July 17 - Thursday  
 Meeting - 7 p.m.  
**BOWMAN RESIDENCE**  
 1330 Frank Marshall Rd.  
 Ozark, AL 36360  
 Hosted by Direct Jobbers E. E. "Al" & Mildred Bowman (334) 774-3344

### ALASKA

• June 19 - Thursday  
 • July 17 - Thursday  
 Meeting - 7 p.m.  
**PHILLIPS INTERNATIONAL INN**  
 5121 Arctic Blvd.  
 Anchorage, AK 99507  
 Hosted by Dealer Don Nusbaum  
 (907) 563-2274 Call for reservations

• June 3, 17 - Tuesday  
 • July 1, 15 - Tuesday  
 Meeting - 7 p.m.  
**STATEN RESIDENCE**  
 2949 Sunflower Street  
 Anchorage, AK 99508  
 Hosted by Premiere Direct Jobber  
 Richard Staten (907) 333-0124  
 Call for reservations

### ARIZONA

• June 17 - Tuesday  
 • July 15 - Tuesday  
 Optional no-host dinner - 5:30 p.m.  
 Meeting - 6:30 p.m.  
**FIREHOUSE RESTAURANT**  
 1639 E. Apache Blvd.  
 Tempe, AZ 85281  
 Hosted by Executive Direct Jobber  
 Dick Nudo and Dealer Jim Brewer RSVP  
 (602) 996-7181 Dick  
 (480) 968-4922 Jim

### ARKANSAS

• June 12 - Thursday  
 • July 10 - Thursday  
 Meeting - 6:30 p.m.  
**GARDNER RESIDENCE**  
 280 York Chapel Rd.  
 Nashville, AR 71852  
 Hosted by Dealer Jerry Gardner  
 (870) 451-9152  
 jgard24@iocc.com

• June 11 - Wednesday  
 • July 9 - Wednesday  
 Meeting - 7 p.m.  
**PASTERNAK RESIDENCE**  
 217 Cr 472  
 Jonesboro, AR 72404

Hosted by Direct Dealers  
 David and Brenda Pasterniak  
 (870) 933-8376

### CALIFORNIA

• June - Every Thursday  
 • July - Every Thursday  
 Meeting - 6:30 p.m.  
**STRAWBERRY VILLAGE SHOPPING CENTER**  
 Mill Valley, CA  
 Hosted by Dealer Doug Storms  
 800-793-5301

• June 5, 19 - Thursday  
 • July 3, 17 - Thursday  
 Meeting - 7:30 p.m.  
**CHRISTENSEN RESIDENCE**  
 4141 Palm Ave, Apt 574  
 Sacramento, CA 95610  
 Hosted by Premiere Direct Jobber  
 Jay Christensen (916) 339-1152

• June 4 - Wednesday  
 • July 2 - Wednesday  
 Meeting - 7 p.m.  
**McCOOL RESIDENCE**  
 2210 Coddling Dr.  
 Modesto, CA 95350  
 Hosted by Dealer Bill McCool  
 (209) 577-0174

• June 24 - Tuesday  
 • July 22 - Tuesday  
 Meeting - 7 p.m.  
**EVANS RESIDENCE**  
 40728 Sundale Dr.  
 Fremont, CA 94538  
 Hosted by Direct Jobbers  
 Chuck and Linda Evans (510) 659-4078

• June 10 - Tuesday  
 • July 8 - Tuesday  
 Meeting - 6:30 p.m.  
**DENNY'S RESTAURANT**  
 740 W. 2nd St.  
 San Bernardino, CA 94401  
 Hosted by Dealers Richard and Delores  
 Nichol (909) 862-1252

• June 2, 23 - Monday  
 • July 7, 28 - Monday  
 Meeting - 7 p.m.  
**INTERNATIONAL HOUSE OF PANCAKES/VINTAGE OAKS SHOPPING CENTER**  
 Novato, CA 94945  
 Hosted by Dealer Richard Eplett  
 (800) 280-9905

• June 3 - Tuesday  
 • July 1 - Tuesday  
 Meeting - 7 p.m.  
**CARROW'S RESTAURANT**  
 19011 Bloomfield Ave.  
 Cerritos, CA  
 Dealer Dave Gumpertz  
 (562) 212-3709 Dave@Lubes4U.com

• June 17 - Tuesday  
 • July 15 - Tuesday  
 Meeting - 7 p.m.  
 Downline and Guests FREE,  
 Out of line - \$5  
**LUDWICK RESIDENCE**  
 6015 Hughes St.  
 San Diego, CA 92115  
 Hosted by Direct Dealer Craig Ludwick  
 R.S.V.P. (619) 583-5218

• June 3 - Tuesday  
 • July 1 - Tuesday  
 Meeting - 7 p.m.  
**CARROW'S RESTAURANT**  
 19011 Bloomfield Ave.  
 Cerritos, CA  
 Dealer Dave Gumpertz  
 (562) 212-3709 Dave@Lubes4U.com

• June 17 - Tuesday  
 • July 15 - Tuesday  
 Meeting - 7 p.m.  
 Downline and Guests FREE,  
 Out of line - \$5  
**LUDWICK RESIDENCE**  
 6015 Hughes St.  
 San Diego, CA 92115  
 Hosted by Direct Dealer Craig Ludwick  
 R.S.V.P. (619) 583-5218

### COLORADO

• June 19 - Thursday  
 • July 17 - Thursday  
 Meeting - 7:30 p.m.  
**AMSOIL HOUSE**  
 4316 Ridgcrest Drive  
 Colorado Springs, CO 80918  
 Hosted by Executive Direct Jobber  
 Ida Gray (719) 598-5115

### CONNECTICUT

None Scheduled

### DELAWARE

• June 14 - Saturday  
 • July 12 - Saturday  
 Meetings at Noon  
 Call for reservations  
**KING RESIDENCE**  
 2306 Taggart Court  
 Wilmington, DE 19810  
 Hosted by Direct Dealer Greg King  
 (302) 345-4350 Guests Welcome

## DISTRICT OF COLUMBIA

None Scheduled

### FLORIDA

• June 3 - Tuesday  
 • July 1 - Tuesday  
 Meeting - 7 p.m.  
 Call in advance  
**TOM & MONY'S RESTAURANT**  
 4757 S. Orange Ave.  
 Orlando, FL 32806  
 Hosted by Regency Gold Direct Jobbers  
 George & Shirley Douglas  
 (407) 856-1564  
 Call ahead for details, directions and RSVP

• June 19 - Thursday  
 • July 17 - Thursday  
 Meeting - 7 p.m.  
**AMSOIL DISTRIBUTION CENTER**  
 3724 Silver Star Road  
 Orlando, FL 32808  
 Hosted by Regency Gold Direct Jobbers  
 Dan and Judy Watson  
 (407) 657-5969

• June 3 - Tuesday  
 • July 1 - Tuesday  
 Dinner/Social - 6 p.m.  
 order from menu  
 Meeting - 7 p.m.  
**SAFFRON'S RESTAURANT**  
 1700 Park Street North  
 St. Petersburg, FL, 33710  
 Hosted by Executive Direct Jobbers  
 John and Shirley Alquist (727) 545-8547  
 alquistproducts@hotmail.com  
 www.tell-it-well.com  
 All are welcome. Call to confirm space  
 available appreciated but not mandatory

• June 7 - Saturday  
 • July 5 - Saturday  
 Meeting - 9 - 11 a.m.  
**CHAMBLESS RESIDENCE**  
 4803 Chamblee-Dunwoody  
 Road  
 Atlanta, GA 30338  
 Hosted by Regency Gold Direct Jobbers  
 Larry and Kathryn Chambliss  
 (770) 393-9916

• June 5 - Thursday  
 • July 3 - Thursday  
 Meeting - 7 p.m.  
**DIRKEN RESIDENCE**  
 1905 Queens Road  
 Albany, GA 31707  
 Hosted by Master Direct Jobber  
 Sherry Dirksen (912) 436-5532  
 Potluck, everyone brings a dish

### GEORGIA

• June 7 - Saturday  
 • July 5 - Saturday  
 Meeting - 9 - 11 a.m.  
**CHAMBLESS RESIDENCE**  
 4803 Chamblee-Dunwoody  
 Road  
 Atlanta, GA 30338  
 Hosted by Regency Gold Direct Jobbers  
 Larry and Kathryn Chambliss  
 (770) 393-9916

• June 5 - Thursday  
 • July 3 - Thursday  
 Meeting - 7 p.m.  
**DIRKEN RESIDENCE**  
 1905 Queens Road  
 Albany, GA 31707  
 Hosted by Master Direct Jobber  
 Sherry Dirksen (912) 436-5532  
 Potluck, everyone brings a dish

### HAWAII

None Scheduled

### IDAHO

• June 7 - Saturday  
 • July 5 - Saturday  
 Meeting - 12 - 3 p.m.  
**SCHELL RESIDENCE**  
 2000 W. Broadway  
 Idaho Falls, ID  
 Hosted by Regency Platinum Direct  
 Jobbers Mark & Sherree Schell  
 Reservations: (208) 524-0322 RSVP

• June 10 - Tuesday  
 • July 8 - Tuesday  
 Meeting - 7:30-9:30 p.m.  
**MCGUFFEY RESIDENCE**  
 23446 Freezeout Road  
 Caldwell, ID, 83605  
 Hosted by Executive Direct Jobbers  
 Charles and Connie McGuffey  
 RSVP: (208) 455-2581

### ILLINOIS

• June 10 - Tuesday  
 • July 8 - Tuesday  
 Meeting - 7:30 p.m.  
**BAUER RESIDENCE**  
 111 Woodland Trail  
 Anna, IL 62906-3904  
 Hosted by Account Directs  
 Norm and Barb Bauer  
 (618) 833-3228

• June 21 - Saturday  
 • July 19 - Saturday  
 Meeting - 10 a.m.  
**LINDLAND SALES OFFICE**  
 1421 Winnemac Avenue  
 Unit I  
 Chicago, IL 60640  
 Hosted by Direct Jobbers  
 Riebert and Diana Lindland  
 (773) 271-5678

## INDIANA

• June 4, 18 - Wednesday  
 • July 2, 16 - Wednesday  
 Meeting - 7:30 p.m.  
**RENTOWN SHOP**  
 1533 Rentown Rd.  
 Bremond, IN  
 Hosted by Direct Jobbers  
 LeRoy and Malinda Hochstetler and  
 Direct Jobbers Willis and Rolene Gingerich  
 (219) 831-2839

## IOWA KANSAS

None Scheduled

### KENTUCKY

• June 5 - Thursday  
 • July 3 - Thursday  
 Meeting - 7:30 p.m.  
 Hosted by Premier Direct Jobbers  
 Al and Ann Kely  
 (859) 879-0728 or e-mail:  
 bestoil@alltel.net  
 Call for location, directions and RSVP

### LOUISIANA

• June 3 - Tuesday  
 • July 1 - Tuesday  
 Meeting - 7 p.m.  
**AUTTONBERRY RESIDENCE**  
 2520 Swiss Street  
 W. Monroe, LA 71291  
 Hosted by Dealer Ellis Auttonberry  
 (318) 396-4348

### MAINE

None Scheduled

### MARYLAND

• June 20 - Friday  
 • July 18 - Friday  
 Meeting - 7:30 p.m.  
 Downline and Guests FREE,  
 Out of line - \$5  
**MARTIN RESIDENCE**  
 3994 Trace Hollow Run  
 Salisbury, MD 21801  
 Hosted by Master Direct Jobbers  
 Les & Linda Martin (410) 548-LUBE

• June 20 - Friday  
 • July 18 - Friday  
 Meeting - 7 p.m.  
**GRONER RESIDENCE**  
 9208 Todd Ave.  
 Fort Howard, MD 21052  
 Hosted by Account Direct Harvey Groner  
 (410) 477-8255

• June 5 - Thursday  
 • July 3 - Thursday  
 Meeting - 7 p.m.  
**DEACOSTA RESIDENCE**  
 4942 S. Upper Ferry Road  
 Eden, MD 21822  
 Hosted by Dealers Chris & Barb DeAcosta  
 (410) 742-0637 Reservations Required

• June 20 - Friday  
 • July 18 - Friday  
 Meeting - 7:30 p.m.  
**AL SMITH AUTOMOTIVE**  
 3228 E Joppa Road  
 Baltimore, MD 21234  
 Hosted by Premiere Direct Jobber Al Smith  
 (410) 882-9696 Al@SynLubes.com  
 Reservations Required

### MASSACHUSETTS

None Scheduled

### MICHIGAN

• June 16 - Monday  
 • July 21 - Monday  
 Meeting - 7 p.m. (info)  
 Meeting - 8 p.m. (opportunity)  
**ELLIS RESIDENCE**  
 61653 Miriam Dr  
 Washington, MI 48094  
 Hosted by Regency Gold Direct Jobber  
 Mike Ellis RSVP at (810) 781-5092 or  
 (810) 918-1578

• June 2 - Monday  
 • July 7 - Monday  
 Meeting - 7 p.m. (info)  
 Meeting - 8 p.m. (opportunity)  
**RABE RESIDENCE**  
 9338 Rawsonville Road  
 Belleville, MI 48111  
 Hosted by Dealer Dale Rabe  
 RSVP at (734) 461-9577 or 355-9747

## MINNESOTA

• June 19 - Thursday  
 • July 17 - Thursday  
 Meeting - 7 p.m.  
**SCHMIT RESIDENCE**  
 932 38th Ave. No.  
 St. Cloud, MN 56301  
 Hosted by Regency Platinum Direct  
 Jobbers Kay & Arlene Schmit  
 (320) 251-4861

• June 19 - Thursday  
 • July 17 - Thursday  
 Meeting - 7 p.m.  
**MEYER RESIDENCE**  
 800 2nd Street  
 Cleveland, MN 56017  
 Hosted by Executive Direct Jobbers  
 Charles & Donna Meyer  
 (507) 931-3875

• June 12 - Thursday  
 • July 10 - Thursday  
 Meeting - 7:30 p.m.  
**STAVE RESIDENCE**  
 44 Crow River Dr.  
 Elk River, MN 55330  
 Hosted by Dealer Ordell Stave  
 (612) 241-5267

### MISSISSIPPI

• June - Every Wednesday  
 • July - Every Wednesday  
 Meeting - 11 a.m.  
**DINNER BELL RESTAURANT**  
 10122-C Central Ave.  
 D'Iberville, MS 39532  
 Hosted by Dealer Jim Day  
 (228) 388-4325  
 RSVP/Guests Welcome  
 jwdandy2000@yahoo.com

### MISSOURI

• June 24 - Tuesday  
 • July 22 - Tuesday  
 Meeting - 7p.m.  
**REPUBLIC PARKS AND RECREATION ACTIVITIES CENTER**  
 711 East Miller Road  
 Republic, MO  
 Hosted by Dealer Jim Barnes  
 Call for directions. (417) 732-2553

### MONTANA

### NEBRASKA

None Scheduled

### NEVADA

• June 12 - Thursday  
 • July 10 - Thursday  
 Meeting - 6:30 - 8 p.m.  
**AMSOIL PRODUCT CENTER**  
 4545 N. Lamb Blvd., Suite. D  
 Las Vegas, NV  
 Hosted by Executive Direct Jobber  
 Bob Kaytes and Regency Platinum Direct  
 Jobber Shirley Green (702) 362-4492

### NEW HAMPSHIRE

### NEW JERSEY

None Scheduled

### NEW MEXICO

• June 24 - Tuesday  
 • July 22 - Tuesday  
 Meeting - 7:30 p.m.  
**GREENBERG RESIDENCE**  
 1537 Bryn Mawr NE  
 Albuquerque, NM 87106  
 Hosted by Regency Direct Jobbers  
 Paul and Nancy Greenberg  
 (505) 255-2137  
 fax (505) 232-8330  
 NMOilman@aol.com

### NEW YORK

• June 18 - Wednesday  
 • July 16 - Wednesday  
 Meeting - 7 p.m.  
**O'BRIEN RESIDENCE**  
 436 Mosely Road  
 Fairport, NY 14450  
 Hosted by Dealer Gerry O'Brien  
 (716) 223-8016  
 Call ahead to reserve a seat

• June 3 - Tuesday  
 • July 1 - Tuesday  
 Meeting - 7 p.m.  
**LOTITO RESIDENCE**  
 89 Owl Creek Rd.  
 Spencer, NY 14883  
 Hosted by Master Direct Jobber  
 Peter Lotito (607) 589-4148  
 Call ahead to reserve space and confirm  
 location or e-mail lubedcalerny@aol.com

• June 18 - Wednesday  
 • July 16 - Wednesday  
 Meeting - 7:30 p.m.  
**SYRACUSE AREA**  
 Call ahead for specific location  
 Hosted by Direct Jobber Peter Finnerty  
 (315) 682-9791



• June 18 - Wednesday  
• July 16 - Wednesday  
Meeting - 7:30 p.m.  
**NEWARK, NY**  
**LOCATION**  
Call ahead for location  
Hosted by **Debra Brad Timerson**  
(315) 331-7110

## **NORTH CAROLINA**

• June 12 - Thursday  
• July 10 - Thursday  
Meeting - 7 p.m.  
**KAZAN RESIDENCE**  
9200 Lake Wheeler Road  
Fuquay-Varina, NC 27526  
Hosted by **Account Directs**  
**Eric & Donna Kazan** (919) 772-9569  
Guests welcome **Non-downline \$2.00**

• June 12 - Thursday  
• July 10 - Thursday  
Meeting - 7:30 p.m.  
**MALLONEE RESIDENCE**  
3009 5th St. NW  
Hickory, NC 28601  
Hosted by **Account Direct**  
**Larry Mallonee and Dealer Jack Hoskins**  
(828) 327-3655 All Dealers welcome.

• June 12 - Thursday  
• July 10 - Thursday  
Meeting - 7 p.m.  
**BURNELL RESIDENCE**  
9424 Springdale Drive  
Raleigh, NC 27613  
Hosted by **Premiere Direct Jobbers**  
**Chuck and Judi Burnell**  
(919) 870-9633 Call first

• June 10 - Tuesday  
• July 8 - Tuesday  
Meeting - 7 p.m.  
**CLEVELAND RESIDENCE**  
224 Campbell Place  
Jacksonville, NC 28546  
Hosted by **Dealers**  
**George & Nancy Cleveland**  
(910) 346-3866  
Call first - All Dealers welcome

## **NORTH DAKOTA**

• June 3 - Tuesday  
• July 1 - Tuesday  
Meeting - 7:30 p.m.  
**EVANSON RESIDENCE**  
725 10th Ave. W.  
West Fargo, ND 58078  
Hosted by **Direct Jobbers**  
**Skip and Anna Evanson**  
(701) 281-1906  
skipsuperlube@msn.com

## **OHIO**

• June - Every Wednesday  
• July - Every Wednesday  
Meeting - 6 p.m. (training)  
Meeting - 8 p.m. (opportunity)  
**FABIJANIC RESIDENCE**  
561 Loomis Avenue  
Cuyahoga Falls, OH 44221  
Hosted by **Dealers**  
**Paul & Coralie Fabijanic**  
(216) 928-8863 or 800-874-4827 RSVP

• June 14 - Saturday  
• July 12 - Saturday  
Meeting - 1 - 4 p.m.  
**LACKORE RESIDENCE**  
1900 George Ave.  
Brunswick, OH 44212  
Hosted by **Master Direct Jobber**  
**Calvin Lackore** (800) 798-9777

• June 1 - Sunday  
• July 6 - Sunday  
Meeting - 1 p.m.  
**MERRITT RESIDENCE**  
650 State Route 131  
Fayetteville, OH 45118  
Hosted by **Dealers**  
**Gordon and Sara Merritt**  
(937) 288-2568

• June 23 - Monday  
• July 28 - Monday  
Meeting - 11 a.m.  
**PENA RESIDENCE**  
2933 West U.S. 20  
Gibsonburg, OH 43431  
Hosted by **Direct Jobbers**  
**Luis and Sharon Pena**  
Please RSVP to: (419) 349-3451  
or (419) 297-3451

• June 10, 24 - Tuesday  
• July 8, 22 - Tuesday  
Meeting - 7 p.m.  
**DENATO'S PIZZA ON BROADWAY**  
Grove City, OH 43123  
Hosted by **Premiere Direct Jobber**  
**Brad White** (800) 871-5921

## **OKLAHOMA**

• June 7 - Saturday  
• July 5 - Saturday  
Meeting - 9 - 11 a.m.  
**GOLDEN CORRAL**  
9711 E. 71 Street  
Tulsa, OK  
Hosted by **Regency Gold Direct Jobber**  
**Patrick Grady** (918) 258-6979 \*Pat

• June 12 - Thursday  
• July 10 - Thursday  
Meeting - 7 - 8:30 p.m.  
Please call for location and  
reservations for you and your  
guests

Hosted by **Dealers**  
**Richard and Brenda Coats**  
(918) 225-5722  
Call first to confirm space for you and your  
guests

• June 12 - Thursday  
• July 10 - Thursday  
Meeting - 7 - 8:30 p.m.  
**GOLDIE'S**  
2005 E. 21st St.  
Tulsa, OK 74114  
Hosted by **Direct Jobber Kevin Alexander**  
(918) 342-9537  
Call first to confirm space for you and your  
guests

• June 12 - Thursday  
• July 10 - Thursday  
Meeting - 10 a.m.  
**GRADY RESIDENCE**  
2612 W. Galveston Rd.  
Broken Arrow, OK 74012  
Hosted by **Regency Gold Direct Jobber**  
**Patrick Grady and Direct Jobber**  
**Kevin Alexander** (918) 258-6979 RSVP  
kevin@nordam.com

## **OREGON**

• June - Tuesdays and Thursdays  
• July - Tuesdays and Thursdays  
Fast Start Seminars  
Meeting - 7 p.m.  
**CENTRAL OREGON COMMUNITY COLLEGE LIBRARY**  
(lower level conference room)  
2600 NW College Way  
Bend, OR 97701

Hosted by **Account Direct**  
**Bruce Shlander** (541) 385-5889  
Call to confirm space for you and your  
guests.

• June 3 - Tuesday  
• July 1 - Tuesday  
Meeting - 7 p.m.  
**MAPES RESIDENCE**  
25500 NW Svea Drive  
Hillsboro, OR 97124  
Hosted by **Premiere Direct Jobber**  
**Marshall Mapes**  
Please RSVP to:  
(503) 647-5486 or (800) 866-7570

• June 19 - Thursday  
• July 17 - Thursday  
Optional Dinner - 6 p.m.  
Meeting - 7 - 9 p.m.  
**SWEETBRIER INN**  
7125 SW Nyberg Road  
Tualatin, OR 97062  
Hosted by **Master Direct Jobber**  
**Ed Greenwood** (800) 722-1092  
Call first to confirm space for you and your  
guests

• June 5 - Thursday  
• July 3 - Thursday  
Meeting - 7 p.m.  
**HOFFMAN RESIDENCE**  
7025 SE 22nd Ave.  
Portland, OR 97202  
Hosted by **Dealer Dan Hoffman**  
(503) 236-2579 All are welcome

• June 23 - Monday  
• July 28 - Monday  
Meeting - 6 p.m.  
**AUNE RESIDENCE**  
803 N. 2nd St.  
Silverton, OR 97381  
Hosted by **Direct Jobber Todd Aune**  
(888) 283-3580  
All are welcome with RSVP

## **PENNSYLVANIA**

• June 16 - Monday  
• July 21 - Monday  
Meeting - 7 p.m.  
**HALLOCK ENTERPRISE STORE**  
5 Main Street  
Bradford, PA  
Hosted by **Premiere Direct Jobber**  
**Joseph M. Hallock**  
(814) 368-8625  
T-1 training also available.

**RHODE ISLAND**  
None Scheduled

## **SOUTH CAROLINA**

• June - Every Tuesday  
• July - Every Tuesday  
Meeting - 7:30 p.m.  
**GEORGE KERR and ASSOCIATES**  
Northgate Building  
5861 Rivers Ave., Suite 107  
N. Charleston, SC 29406  
Hosted by **Dealer George Kerr**  
(843) 747-8200

• June - Variable Meetings  
• July - Variable Meetings  
Call for meeting time, date  
**SPRADLEY RESIDENCE**  
117 Winston Circle  
Pelion, SC 29123  
Hosted by **Direct Jobbers**  
**Jim & Vicki Spradley** (803) 894-4618

• June - First Tuesday  
• July - First Tuesday  
Meeting - 7 p.m.  
**DENNY'S RESTAURANT**  
2521 Wade Hampton Blvd.  
Greenville, SC 29615  
Hosted by **Direct Jobber Loel D. Handley**  
R.S.V.P. (864) 989-0753  
amsolddealerloel@aol.com

**SOUTH DAKOTA**  
None Scheduled

## **TENNESSEE**

• June 17 - Tuesday  
• July 15 - Tuesday  
Meeting 7 p.m. (info)  
8 p.m. (opportunity)  
**DW WILSON CENTER**  
Tullahoma, TN  
Hosted by **Dealer Nelson Gill**  
(931) 393-2601

## **TEXAS**

• June 5 - Thursday  
• July 3 - Thursday  
Meeting - 7:30 - 9 p.m.  
**SHALIN RESIDENCE**  
544 Clew Court  
Azle, TX 76020  
Hosted by **Regency Silver Direct Jobbers**  
**Tom and Sheila Shalin** (817) 444-9522

• June 19 - Thursday  
• July 17 - Thursday  
Meeting - 7 p.m.  
**RYAN'S STEAKHOUSE**  
6835 Northeast Loop 820  
North Richland Hills, TX 76180  
Hosted by **Direct Jobber**  
**Bob Weil** (817) 545-5257  
Come early to eat.

• June 17 - Tuesday  
• July 15 - Tuesday  
Meeting - 7 p.m.  
**WARD RESIDENCE**  
310 S. Grove Road  
Richardson, TX 75081  
Hosted by **Premiere Direct Jobbers**  
**Ronald & Sandra Ward**  
(972) 231-0773  
e-mail: oilmandj@attbi.com

## **UTAH**

• June - Every Tuesday  
• July - Every Tuesday  
Meeting - 7:30 p.m.  
**CHRISTENSEN RESIDENCE**  
8516 Snowville Drive  
Sandy, UT 84070  
Hosted by **Master Direct Jobber**  
**Neil Christensen, Dealer Rodney Haskins**  
and **Dealer Doug Blackhurst**  
(801) 942-3881/(801) 942-8641

• June - Every Friday  
• July - Every Friday  
Meeting - After 4 p.m.  
**GREENE RESIDENCE**  
11653 S. Patchwork Circle  
South Jordan, UT 84095  
Hosted by **Dealer Dorsey Greene**  
(801) 253-2701  
T-1 Certification classes every Friday,  
pre-paid registration required Everyone  
welcome; RSVP

**VERMONT**  
None Scheduled

## **VIRGINIA**

• July - No Meetings Scheduled.  
• August - No Meetings Scheduled.  
**REID RESIDENCE**  
14600 Cornwall Ln.  
Chester, VA 23836  
Hosted by **Regency Gold Direct Jobbers**  
**Gerry & Patricia Reid and Premiere Direct**  
**Jobbers David and Rebecca Reid**  
For all meetings, please call  
(804) 530-1400 to reserve space;  
(804) 530-0179 Fax syntholis@comcast.net

• June 9, 23 - Monday  
• July 14, 28 - Monday  
Meeting - 7:30 p.m.  
**STANCIL RESIDENCE**  
240 N. Oceana Blvd.  
Virginia Beach, VA 23454  
Hosted by **Regency Direct Jobbers**  
**Bill & Barbara Stancil** (804) 428-6049

• June 9 - Monday  
• July 14 - Monday  
Meeting - 7 p.m.  
**GRAVITTE RESIDENCE**  
1042 Merganser Circle  
Gloucester, VA  
Hosted by **Premiere Direct Jobbers**  
**Cliff & Dee Gravitte** (804) 694-0221

• June 3 - Tuesday  
• July 1 - Tuesday  
Meeting - 7:30 p.m.  
**PESZKO RESIDENCE**  
4503 Southampton Arch  
Portsmouth, VA 23703  
Hosted by **Regency Silver Direct Jobbers**  
**Raymond & Karen Peszko**  
(757) 484-9491

• June 10 - Tuesday - "How to  
Administrate Your Business"  
• July 8 - Tuesday - "How to Begin and  
Build Your Business"  
Optional dinner - 6 p.m.  
Meeting - 7 p.m.  
**DAYS INN RESTAURANT**  
5500 Williamsburg Rd.  
Sandston, VA  
Hosted by **Account Directs**  
**Roger Riggle and Mel Pipgras**  
(804) 737-4874 or (804) 737-9231

## **WASHINGTON**

• June 16 - Monday  
• July 21 - Monday  
Meeting - 6:30 p.m.  
**GASPER'S LUBE SERVICE CENTER & WAREHOUSE**  
3325 Meridian Ave. E.  
Edgewood, WA 98371  
Hosted by **Executive Direct Jobbers**  
**Cliff and Lorna Gasper**  
(253) 864-7618, or (877) 633-7618  
Everyone Welcome

• June 10 - Tuesday  
• July 8 - Tuesday  
Meeting - 7:30 p.m.  
**STOUGARD RESIDENCE**  
22907 Prairie Road  
Sedro Woolley, WA 98284  
Hosted by **Premiere Direct Jobbers**  
**Marv & Charlotte Stougar**  
(360) 856-1641 Guests Welcome

• June 12 - Thursday  
• July 10 - Thursday  
Meeting - 7 p.m.  
**WALSH RESIDENCE**  
2220 South Castle Way  
Lynnwood, WA 98036  
Hosted by **Executive Direct Jobbers**  
**Tom & Shirley Walsh**  
(425) 483-2582  
T-1 certification classes available by  
appointment with pre-paid registration.

• June 10 - Tuesday  
• July 8 - Tuesday  
Meeting - 7 p.m.  
**PRUKOP RESIDENCE**  
10306 86th Avenue East  
Puyallup, WA 98373  
Hosted by **Direct Jobbers**  
**Raymond & Patsy Prukop**  
(253) 845-9755 / 800-267-6450  
Everyone Welcome!

• June 9, 23 - Monday  
• July 14, 28 - Monday  
Meeting - 7:30 p.m.  
**POODLE DOG RESTAURANT**  
1522 54th Avenue East  
Fife, WA 98424  
Hosted by **\*Regency Platinum Direct**  
**Jobbers Leonard & Eunice Pearson**  
(253) 939-8401 Guests Welcome!

• June 26 - Thursday  
• July 24 - Thursday  
Meeting - 7:30 p.m.  
**SAMUELSON RESIDENCE**  
610 E. 20th St.  
Vancouver, WA 98663  
Hosted by **Direct Dealer**  
**Sammy Samuelson**  
(360) 699-5257 1-UPS-5W30-OIL  
(1-877-593-0645) Discussion on product  
application and oil analysis  
All are welcome!

**WEST VIRGINIA**  
None Scheduled

## **WISCONSIN**

• June 19 - Thursday  
• July 17 - Thursday  
Meeting - 7:30 p.m.  
**SEL-AMSOIL ACADEMY**  
1201 Clough Ave.  
Superior, WI 54880  
Hosted by **\*\*\*Regency Platinum Direct**  
**Jobbers Bill & Donna Durand**  
Refreshments Served  
(715) 392-4006 Guests Welcome

• June 12 - Thursday  
• July 10 - Thursday  
Meeting - 7 p.m.  
**MITMOEN SERVICE GARAGE**  
6017 65th Street  
Kenosha, WI 53142  
Hosted by **Executive Direct Jobbers**  
**Victor and Lynn Mitmoen** (262) 652-3399

• June 14, 28 - Saturday  
• July 12, 26 - Saturday  
Meeting - 1 - 3 p.m.  
**VILLERS RESIDENCE**  
2600 W. High St.  
Racine, WI 53404  
Hosted by **Regency Direct Jobber**  
**Ed Villers** (414) 637-2726  
RSVP

• June 5 - Thursday  
• July 3 - Thursday  
Meeting - 7 p.m.  
**PABST RESIDENCE**  
650 Larcom St.  
Hammond, WI 54015  
Hosted by **Executive Direct Jobber**  
**Lynn Pabst** (715) 796-5441  
Guests welcome.

**WYOMING**  
None Scheduled

## **INTERNATIONAL**

**ALBERTA**  
None Scheduled

## **BRITISH COLUMBIA**

• June 20 - Friday  
• July 18 - Friday  
Meeting - 7 p.m.  
**CROSS ROADS RESTAURANT**  
1821 Sumas Way  
Abbotsford, B.C., Canada  
Hosted by **Direct Jobbers**  
**Zain Krikau and Dealer George Epp**  
(604) 826-8966 All welcome.

**MANITOBA**  
None Scheduled

## **NEW BRUNSWICK**

• June 16 - Monday  
• July 21 - Monday  
Meeting - 7:30 p.m.  
**McLAUGHLIN RESIDENCE**  
9 Pinder Road  
Riverview, NB E1B 3Z2  
Hosted by **Direct Jobber**  
**Wayne McLaughlin and**  
**Dealer Wendell Steeves**  
(506) 386-2896/(506) 387-3197  
Everyone Welcome

**NEWFOUNDLAND NOVA SCOTIA**  
None Scheduled

## **ONTARIO**

• June 26 - Thursday  
• July 24 - Thursday  
Meeting - 6 - 8 p.m.  
**AMSOIL DISTRIBUTION CENTER**  
6625 Tomken Rd.  
Units 12-14  
Mississauga, ON L5T-2C2  
Hosted by **Premiere Direct Jobber**  
**Rob Hillitch and local Dealers**  
(905) 564-7770

**PRINCE EDWARD ISLAND PUERTO RICO QUEBEC SASKATCHEWAN NEW ZEALAND**  
None Scheduled



# AMSOIL CENTERLINES ...and updates

## AMSOIL ADVERTISING

Look for AMSOIL display advertising or an AMSOIL catalog offering in the following publications:

### June & July 2003

#### Display Advertisements

NOLN	June '03	(805) 796-2577
Trailer Life	June '03	(805) 667-4100
Coast to Coast	June '03	(805) 667-4100
Land Line	June/July '03	(816) 229-5791
NOLN	July '03	(805) 796-2577
Trailer Life	July '03	(805) 667-4100
Coast to Coast	July/August '03	(805) 667-4100

#### Catalog Showcase Advertisements

Chevy High Perf.	June '03	(323) 782-2000
Corvette Fever	June '03	(323) 782-2000
Mopar Muscle	June '03	(323) 782-2000
Sport Truck	June '03	(323) 782-2000
Custom Classic Trucks	June '03	(323) 782-2000
Truckin'	June '03	(714) 939-2400
Mini Truckin'	June '03	(714) 939-2400
4-Wheel Drive and Sport Utility	June '03	(714) 939-2400
Off-Road	June '03	(714) 939-2400
SUV	June '03	(714) 939-2400
Sport Compact Car	June '03	(714) 939-2400
Turbo & High-Tech Perf.	June '03	(714) 939-2400
Import Tuner	June '03	(714) 939-2400
Classic Trucks	June '03	(714) 939-2400
Super Chevy	June '03	(714) 939-2400
Popular Hot Rodding	June '03	(714) 939-2400
High Perf. Pontiac	June '03	(714) 939-2400
JP	July '03	(323) 782-2000
European Car	July '03	(714) 939-2400
VW Trends	July '03	(714) 939-2400
Custom Rodder	July '03	(714) 939-2400
GM High-Tech Perf.	July '03	(714) 939-2400

## HOLIDAY CLOSINGS

The Edmonton and Toronto distribution centers will be closed Tuesday, July 1 for Canada Day. The AMSOIL corporate headquarters and U.S. distribution centers will be closed Friday, July 4 for Independence Day.

## JUNE CLOSE OUT

The last day to process June orders in the U.S. and Canada is the close of business on Monday, June 30. The last day to process June orders in Alaska, New Zealand and Puerto Rico is the close of business on

Wednesday, June 25. Due to the Fourth of July weekend, volume transfers for June business will be accepted until 3 p.m. CDT on Thursday, July 3.

## HASTINGS FILTERS

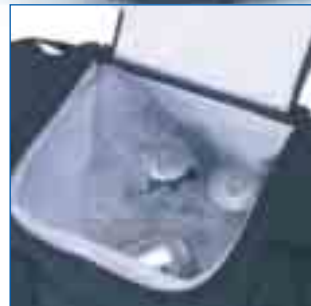
AMSOIL By-Pass element BE-50 and the Hastings LF4081 filter have been replaced with Hastings filter LF804.

## NEW AMSOIL RACING DECAL SHEET

This 11" x 17" decal sheet features eight full-color peel-off AMSOIL racing decals that explode with action and detail. Showcase AMSOIL logos, checkered flag design and exciting automobile, motorcycle, snowmobile and speed boat racing images.



Stock #	Description	U.S.	Can.
G-1890	(1) decal sheet	3.00	4.80



## AMSOIL DUFFLE COOLER BAG

This stylish combination bag from Leed's features an insulated liner to keep food and beverages cool and fresh. Insulated liner is removable, converting bag into a handy, spacious duffle bag. Bag includes zippered end pockets and front pocket, adjustable shoulder strap, detachable key clip and three-dimensional molded rubber AMSOIL logo. Made of durable scuba material and ballistic vinyl.

Stock #	U.S.	Can.
G-1819	29.95	48.50



Shirt Front



### NEW AMSOIL FULL SPEED T-SHIRT

This electrifying new AMSOIL Full Speed T-Shirt is sure to be a track favorite. Features AMSOIL racing logo on the front, while back boasts AMSOIL logo with tachometer image. Durable 100 percent ultra cotton. Sizes S-XXL.

Stock #	Qty.	U.S.	Can.
G-1893	S	12.00	19.25
G-1894	M	12.00	19.25
G-1895	L	12.00	19.25
G-1896	XL	12.00	19.25
G-1897	XXL	13.50	21.75



Shirt Front



### NEW RINKER RACE T-SHIRT

This exciting new racing T-shirt showcases the AMSOIL racing logo on the front and sleek images of Terry Rinker's famous canary yellow race boat on the back. 100 percent cotton. Sizes S-XXL.

Stock #	Size.	U.S.	Can.
G-1904	S	12.00	19.25
G-1905	M	12.00	19.25
G-1906	L	12.00	19.25
G-1907	XL	12.00	19.25
G-1908	XXL	13.50	21.75



### AMSOIL SPLASHGUARDS

New AMSOIL Splashguards (14"x10") are constructed of a heavy-duty, rubberized material with a patented fiberglass reinforcement process for extra strength and

rigidity. AMSOIL logo is permanently molded into a rugged "Diamond Plate" background. Clean easily with soap and water. Fits most SUVs and mid-size trucks.

Stock #	U.S.	Can.
G-1885 (1) pair	25.00	40.50



### NEW AMSOIL STATIC DECAL

New full color 16" AMSOIL static vinyl decal clings to surfaces without adhesive. Ideal for automobiles and point of purchase display.

Stock #	U.S.	Can.
G-1902	0.75	1.25

### PACKAGING CHANGES

AMSOIL 20W-50 Synthetic High Performance Motor Oil will no longer be carried in 2.5-gallon twin packs (ARO-05). Twin packs are still available while supplies last.

AMSOIL Series 2000 Synthetic 75W-140 Gear Lube is now available in 16-gallon kegs (TGO-16). There may be limited supplies available in individual distribution centers until sales patterns are established. Pricing is as follows:

Stock #	Comm. Credits	U.S. MLM	U.S. Sugg. Ret.	U.S. Comm.	U.S. ROTS
TGO-16	309.00	515.00	659.00	450.00	515.00
		Can. MLM	Can. Sugg. Ret.	Can. Comm.	Can. ROTS
		828.00	1056.00	725.00	828.00

AMSOIL Series 3000 Synthetic 5W-30 Heavy Duty Diesel Oil is now available in 2.5-gallon twin packs (HDD-05). Pricing is as follows:

Stock #	Comm. Credits	U.S. MLM	U.S. Sugg. Ret.	U.S. Comm.	U.S. ROTS
HDD-05	91.20	115.50	147.50	101.50	112.50
		Can. MLM	Can. Sugg. Ret.	Can. Comm.	Can. ROTS
		186.00	246.20	163.60	181.00

AMSOIL 80W-90 Synthetic Gear Lube is no longer available in 2.5-gallon twin packs. It will instead be available in five-gallon pails (AGL-05), with limited supplies available in individual distribution centers until sales patterns are established. Pricing remains unchanged:

Stock #	Comm. Credits	U.S. MLM	U.S. Sugg. Ret.	U.S. Comm.	U.S. ROTS
AGL-05	91.10	104.20	143.50	85.00	100.70
		Can. MLM	Can. Sugg. Ret.	Can. Comm.	Can. ROTS
		162.00	206.55	126.10	150.60

### LUBES-N-GREASES REPRINT

Reprints of David McFall's *Lubes-n-Greases* column "Drain Intervals: How Long Must We Wait?" are available for purchase while supplies last. In the column, McFall criticizes the standard 3,000-mile oil change and praises AMSOIL for its extended drain technology.

Stock #	U.S.	Can.
G-1901	1.80	2.90

### IDAHO SALES TAX

Effective immediately, the Idaho sales tax will increase from five percent to six percent.



# Tough Protection for Motorcycle Chains



AMSOIL Heavy Duty Metal Protector (MPHD) is an easy-to-use, spray-on synthetic product ideal for motorcycle chains. Fortified with special rust and corrosion inhibitors, MPHD is designed to penetrate and adhere to chains, leaving behind a tenacious wax-like film.



Stock No.	Wt. Pkg/Size	Lbs. ea	Commission Credits, ea	Dealer Cost, ea	Min. Sugg. Retail, ea
<b>MPHD Heavy Duty Metal Protector</b>					
<b>U.S. Pricing</b>					
AMH-SC**	(1) 16-oz. can	1.4	3.00	4.05	5.75
AMH-16	(12) 16-oz. cans	24.6	33.60	45.00	61.20
<b>CANADA Pricing</b>					
CMH-SC**	(1) 16-oz. can	1.4	3.00	6.35	8.10
CMH-12	(12) 16-oz. cans	24.6	33.60	72.60	96.00

\*\* Cannot be shipped via air freight or parcel post.

## More MPHD Benefits

- Provides a cushion between rollers
- Repels dirt, dust, sand, water and more
- Leaves behind a wax-like film
- Does not sling off
- Prevents corrosion
- Ideal for use on standard roller, competition and O-ring chain designs

Call 1-800-777-7094 to order.



**AMSOIL INC.**  
SYNTHETIC LUBRICANTS  
AMSOIL BUILDING  
Superior, WI 54880-1527  
(715) 392-7101  
Internet: www.amsoil.com

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