

THE GUSHER

April 2010

Vol. 77 No. 2

*“No matter how long the winter,
spring is sure to follow.”*

- Proverb from Guinea



GROWMARK, Inc. • 2200 South Avenue • Council Bluffs, IA 51502
email: archer@archeroil.com www.archeroil.com • 1-800-798-6457 • Fax 712-322-2749

PRODUCT HIGHLIGHT

Archer Sampler Pack

This unique package of seven different products allows each customer to try each product without the expense of purchasing an entire case.

The products included are:

- AP-16X** Spray lubricant resistant to water, temperature and rust.
- SPL Plus** Nonflammable penetrating lubricant. Displaces moisture.
- Clear-Vu Glass Cleaner** Contains anti-static and anti-fog properties.
- Brake & Parts Cleaner** Highly concentrated solvent blend with a powerful spray.
- Chain & Cable Lube** An outstanding multiple application chain lubricant.
- Rustop³™** Keeps your cooling system in balance by protecting all 6 metals found in cooling systems
- Pumice Power Hand Cleaner** Can be used with or without water. Pumice and natural orange extracts combine to remove the most difficult dirt and grime.

Get the performance you've come to expect from Archer products by trying a case today!



ARCHER PRODUCTS FOR IRRIGATION

At the time of this writing, the temperature is about 10° outside and it's hard to think about irrigation products. However, that time will be here before we know it!

Archer offers a complete line of products to take care of all your lubrication needs when it pertains to your irrigation equipment. To provide the power to pump the water, you have choices between diesel, propane, natural gas engines, electric motors and in a few cases, gasoline engines.

For the diesel engines you can choose multi-weight engine oils from our para-synthetic Gold 15W-40, Premium Arpeco 15W-40, and Arpeco 15W-40. If you desire a straight weight oil, Chemlube SAE 30 or SAE 40 is available. Always check the owner's manual to make certain you are using the correct product.

Propane and natural gas engines require an oil that is low in ash content. Archer GLP Special SAE 30 or SAE 40 fits that bill. The ash content on our GLP Special oils is .33%. Too high an ash content can cause valve problems on engines that run at a constant speed and load for long periods of time.

Irrigation wells that are powered by electricity have small reservoirs to lubricate the bearings. In most applications, Archer Turbine Gear is the correct choice. Again, check your owner's manual to insure you use the correct product for that application.



The irrigation well has two needs for lubrication. First, the gear head is a right-angle gear configuration that in most cases calls for an ISO VG 68 oil. Archer Turbine Gear meets that requirement. While the volume of lubricant can vary, it is very important to service the gear head on a regular basis.

In some instances, the well may be driven by belts. This set up will have bearings that are lubricated from a common sump. Archer Turbine Gear is the correct choice for this application also.

The other need for lubrication in the well is the shaft that drives the pump. The drive shaft is held in line by a series of bushings placed at 5 foot intervals along the length of the shaft. The lubricating oil is delivered to each of these bushings by means of a reservoir on the gear head with a shut-off and a needle valve to precisely control the volume of oil dispensed. The oil then travels the length of the shaft (the shaft has a passageway down the center) and is applied to each bushing through a hole at each 5 foot interval. Archer Turbine Drip is the correct choice for this application. This oil has a high VI (viscosity index) and is affected less by temperature changes.

Common drip oil will flow excessively during the hot afternoon then almost come to a complete stop during the overnight hours. Archer Turbine Drip provides a much more stable drip rate and in most cases will actually reduce the amount of oil needed to lubricate properly.

Center pivot irrigation systems require a variety of different lubrication products. Archer has the products to keep these systems running smoothly throughout the irrigation season.



On hydraulically driven center pivots, regular Hydraulic 32 or Uni-Fluid XP are the products of choice. The planetary gears and gear boxes on other center pivots are lubricated with one of our gear lubes, All Gear 80W-90, All Gear 85W-140 or Super All Gear 80W-140. One of our customers uses Super Solidified Grease #0 (Winter) in his gear boxes. They use approximately 30-400# drums of this grease per year!

As in any application, check your owner's manual to verify that you are using the correct product.

New API Classification Coming!!

A new API (American Petroleum Institute) classification is on its way for gasoline engines! First licensing for the new SN classification will be in October of this year. This new classification will call for:

- SN-proposed for October 2010
- Better fuel economy
- Higher emission standards
- Extended catalytic converter life increased to 120,000 miles
- Improved Engine durability
- Para-synthetic blend

While the majority of our business is in heavy duty diesel engine oils, Archer will have products available when the new classification goes into effect.

Lubrication Seminars/Dealer Meetings

When there are new Archer products or API lubricant classifications, we have found that one of the best ways to inform our Archer Dealers, distributors, customers and potential customers is through lubrication seminars and dealer meetings. Keeping abreast of the changes is especially important with the recent changes in emissions standards and the



Doug Salmon, Archer Sales Manager

corresponding engine technology. For instance, using the correct engine oil in your new diesel pickup or diesel tractor is vital in not only meeting its warranty requirements, but also in protecting the engine and exhaust system components from premature failure.

Our goal is to provide not only the best products, but also the best service and technical support to make all of our customers more profitable in their operations.