

## FREQUENTLY ASKED QUESTIONS

**What happens to the equipment if GreensCare is accidentally mixed with standard hydraulic fluids, or if all of the standard fluid is not completely drained before adding GreensCare?**

GreensCare is compatible with petroleum-based products and mixing the two will not affect performance. However, petroleum-based products are not biodegradable, so the standard oil could damage your turf or the environment in the case of a leak or spill.

**Since GreensCare is biodegradable, does this mean that we can dispose of new or used oil by pouring it down the drain?**

No. Even though GreensCare is biodegradable and better for turf and the environment than standard and synthetic hydraulic products, it should be disposed of in the manner recommended for conventional petroleum-based oils.

**I have heard about other "non-burn" biodegradable fluids called PAGs. Can I use those safely in my equipment?**

No. GreensCare is the only biodegradable fluid approved for Jacobsen equipment. Others, like certain PAGs, will deteriorate seals, create rust and will not protect turf as well as GreensCare.

**If others can damage seals and other materials, how do I know GreensCare is safe to use?**

GreensCare is approved by Jacobsen because it was developed and tested thoroughly to ensure its compatibility with the products from other Jacobsen suppliers. It is safe and has proven to be compatible with all seal and elastomer materials found on Jacobsen and all other major manufacturers' hydraulic equipment.

### WHAT GREENSCARE CAN DO FOR YOU

When it comes to turf safety, performance, environmental stewardship and avoiding potentially costly problems, there's no better hydraulic fluid option than GreensCare.

### GREENSCARE IS:

- Natural and will break down in the environment after a few short days
- Safer for your turf, allowing grass to recover and continue to grow
- Better for your equipment, reducing operating temperature and extending equipment life
- Non-toxic and does not pose a threat to animals, fish or the environment
- Smart, as a little prevention now can save hundreds of cleanup hours and thousands of dollars down the road

**GREENSCARE™**  
Biodegradable Hydraulic Fluids



**BETTER FOR TURF  
BETTER FOR EQUIPMENT  
BETTER FOR YOU**



**JACOBSEN**  
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**When Performance Matters.™**

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The Official Turf Equipment Supplier to The PGA of America and The Exclusive Turf Equipment Supplier to PGA Golf Properties.

## ABOUT GREENSCARE

GreensCare is a biodegradable hydraulic fluid designed for and used exclusively by Jacobsen, a Textron Inc. company. As a non-toxic, completely renewable seed oil-based product, GreensCare outperforms standard petroleum-based hydraulic fluids and eliminates the risk of long-term turf problems and environmental contamination that have long been associated with standard hydraulic fluids.

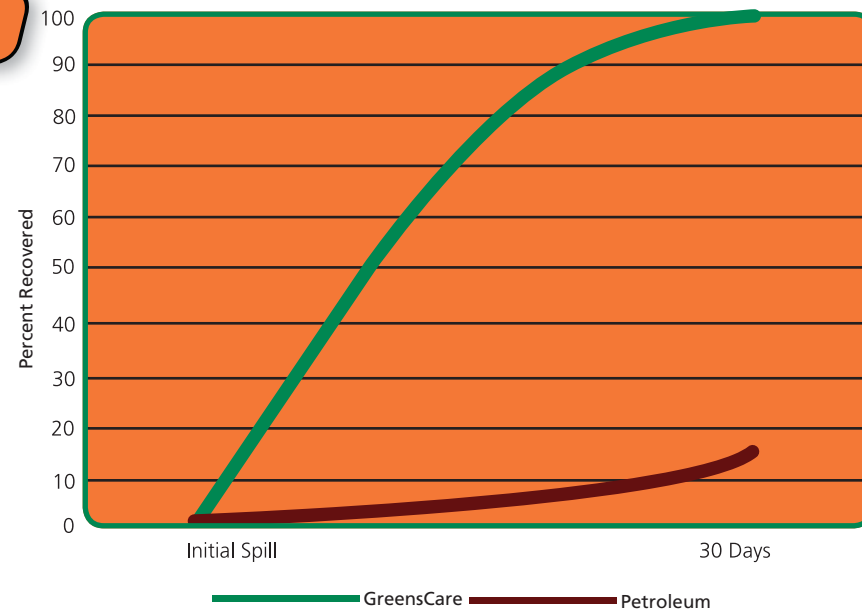
Made from North American-grown seed instead of imported petroleum like most other brands, GreensCare reduces dependence on foreign oil, is readily 96 percent biodegradable, offers better turf protection, better equipment protection and superior all-around performance in mowers, rollers and other professional hydraulic turf equipment.

Jacobsen leads the effort among turf maintenance equipment manufacturers in designing and producing more innovative, efficient equipment and products to meet increasing environmental demands. Jacobsen, along with Terresolve Technologies Ltd. Inc., co-developed GreensCare in 1997, and has made it available to customers by factory-filling GreensCare in all of its equipment with hydraulic components since 2002. Turf professionals can buy GreensCare, available in 5-gallon buckets and 55-gallon drums, from authorized Jacobsen dealers throughout the country.

As the industry leader in biodegradable fluid technology and a company intent on being a good environmental steward, Jacobsen continues to set an example by preparing the turf industry and the game of golf for the challenges that lie ahead.



GreensCare Turf Recovery\*



\*Actual results may differ based on environmental factors and other remediation variables.

## BETTER FOR YOUR TURF

When standard hydraulic fluid leaks or spills onto turf, it burns individual blades of grass on impact, soaks into soil and root systems, and causes lasting problems because it doesn't break down in the soil. While any hot liquid, even filtered water, will initially wilt grass upon impact, standard hydraulic fluids stay in the soil and linger in the environment – killing turf, inhibiting new growth and posing dangers to other plants and animals as well.

GreensCare has none of the negative implications associated with the leaks and spills of petroleum-based hydraulic products.

When used in the same equipment under normal operation, GreensCare doesn't get as hot as standard products. Because of its lower operating temperature, initial heat-related contact problems with turf are kept to a minimum in the event of a seal failure or a broken hose. If a leak or a spill does occur, GreensCare rapidly breaks down into safe, natural components after the affected area is simply flushed with water. In a matter of days, GreensCare will disappear, allowing turf to fully recover without any effects on future growth.



**TURF PROFESSIONALS WORLDWIDE  
USE GREENSCARE—  
HERE'S WHAT SOME ARE SAYING:**

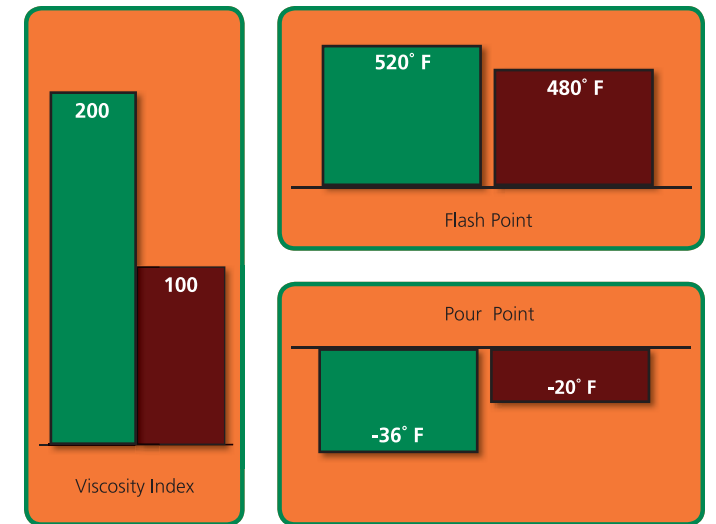
## BETTER FOR YOUR EQUIPMENT

GreensCare was engineered and formulated for better equipment performance in addition to its turf protection qualities. Because of its unique, natural, oil-based formulation, GreensCare offers improved oxidative stability, meaning GreensCare causes less stress and fewer heat-related problems than other standard fluids because it is a more efficient lubricant.

GreensCare is also thicker than most hydraulic fluids, giving it a higher kinematic viscosity. The higher viscosity index allows GreensCare to provide more stability for hydraulic systems over a broader temperature range during equipment operation. As a result of better lubricity and higher viscosity, hydraulic systems using GreensCare experience a reduction in wear and scarring on moving parts, helping individual components and overall systems to last longer than those using standard, petroleum-based products.

Formulated to be compatible with other standard hydraulic oils (10W-30 and ATF's), GreensCare will not deteriorate seals, create rust or cause any other damage to equipment as other synthetic products (PAGs) or standard fluids might, helping hydraulic systems to last longer and perform better.

GreensCare Biodegradable Hydraulic Fluid Engineered to Outperform

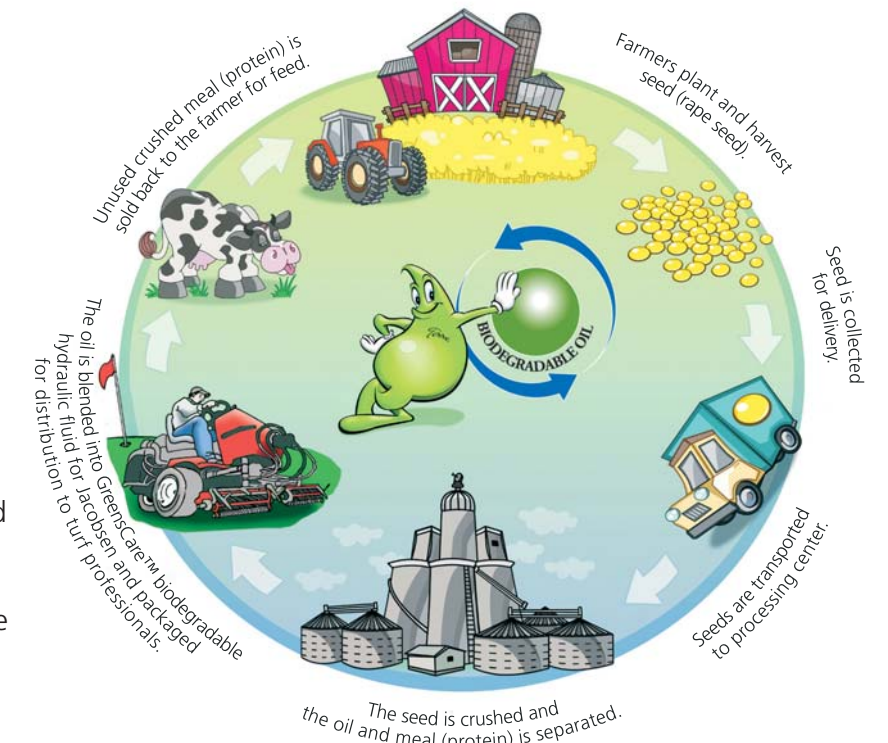


Legend: GreensCare (Green), Petroleum (Red)

## BETTER FOR YOU

When it comes to golf course maintenance, hydraulic leaks and spills are inevitable. Depending on the severity of the incident, a hydraulic leak can leave minimal spot damage, or could cost several thousands of dollars in repair costs depending on how much turf is ultimately affected.

GreensCare significantly reduces the damage done to turf when these events occur and saves courses, superintendents and maintenance managers both the time and the money required for a cleanup. Once a spill is flushed with water, GreensCare safely breaks down and is gone after a few short days of environmental exposure – allowing grass and turf to grow without the hassle and cost of replacing and reseeding areas tainted with oil contamination.



*"We switched to GreensCare after we had a blown hose that spilled hydraulic fluid and did a number on our grass. I've seen what happens and how the turf gets killed when a spill happens with standard oil, and there is definitely a big difference with GreensCare."*

*--Michael Verguldi, Head Mechanic  
Rivercrest Golf Club, Phoenixville, PA*

*"Several streams and creeks run through our course, and we have to be especially careful not to contaminate anything with all of the environmental regulations in place today. The main thing is that GreensCare does not hurt your turf, but the fact that it won't harm fish, animals or the environment is another plus."*

*--Terry Shrofe, Maintenance Manager  
Bella Vista Country Club, Bella Vista, AR*