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When Performance Matters.™

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GreensCare Biodegradable Hydraulic Fluids from Jacobsen

Jacobsen has long been an industry leader in the effort among turf maintenance equipment manufacturers to design and produce more innovative, efficient equipment and products to meet increasing environmental demands.

Since 2002, Jacobsen has factory filled nearly all of its turf hydraulic equipment with GreensCare™ biodegradable hydraulic fluids. Jacobsen is the only turf equipment manufacturer factory-filling its mowers with biodegradable fluids.

GreensCare biodegradable hydraulic fluid is an environmentally friendly alternative to competing synthetic and petroleum-based hydraulic fluids. GreensCare was co-developed in 1997 by Jacobsen and Terresolve Technologies Ltd. Inc.

Made from North American-grown seed, GreensCare is safer for turf, better for equipment and smarter economically for superintendents, turf managers and their maintenance budgets. By using GreensCare, the possibility of permanent contamination and costly, long-term, irreversible damage to greens, fairways and other turf in the event of an unforeseen hydraulic fluid leak or spill is mitigated.

When most synthetic oils and all standard, petroleum-based hydraulic fluids come into contact with turf, they can damage turf on impact. If significantly leaked onto turf, oil will soak into soil and cause turf root-system damage. Because these petroleum oil products do not break down readily (slow to biodegrade), they will remain present in the environment causing turf problems. Contaminated turf will not recover or grow back without comprehensive remediation, often done through removal and replacement of contaminated dirt/turf. Standard petroleum oil based-products can also be an environmental hazard in the event of a leak or spill, posing a risk to local water systems, fish and other animals in an ecosystem as well.

GreensCare biodegradable fluids are based on natural components that safely and naturally break down (biodegrade) over a period of days if a spill or leak occurs. Turf will naturally recover from accidental leaks or spills involving GreensCare. Because the fluid naturally breaks down, expensive, time-consuming cleanups are generally unnecessary and no long-term negative effect on turf or the environment occurs.

In addition to safer and smarter turf protection, GreensCare also offers better performance in hydraulic equipment when compared to standard hydraulic fluids. GreensCare—because it is based on high lubricity, natural oils—will help a hydraulic system's operating efficiency and durability. GreensCare fluids are multi-viscosity in nature, meaning that GreensCare will protect equipment operating at high and low temperatures. GreensCare is also compatible with other standard hydraulic oils (ISO AW hydraulic fluids, SAE 10W-30 engine oils and ATFs), and will not deteriorate seals, create rust or cause any other damage to equipment in the event of accidental mixture with these types. This is not the case with certain synthetic hydraulic fluids such as polyalkylene glycols (PAGs) or some synthetic ester types, which if mixed with other oils, especially in the presence of normal moisture, can cause severe hydraulic system damage such as seal deterioration, internal rusting and possible pump wear.

When it comes to turf safety, improved equipment performance, environmental stewardship and the elimination of costly cleanups, there's no better hydraulic fluid option than GreensCare biodegradable hydraulic fluid.

Turf professionals can buy GreensCare, available in 5-gallon buckets and 55-gallon drums, from authorized Jacobsen dealers throughout the country.

As a leader in biodegradable fluid technology and carrying on a tradition and a history of responsible environmental stewardship, Jacobsen continues to prepare the turf industry and the game of golf to meet the challenges of the future.



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