



Monolec® Gear Lubricant (703)

A G Sod Farms – Sandy Valley, Nev.

Irrigation Gearboxes

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Customer Profile

A G Sod Farms is involved in growing and retailing of sod to commercial companies throughout the United States. They have been in business for 10 years.

Application

The irrigation gearboxes, manufactured by various manufacturers, are used to drive the irrigation systems throughout the farm.

Challenge

The equipment runs 24 hours a day, 7 days a week. Due to the nature of irrigation, they found they were losing gearboxes because of water contamination and the excessive heat in the region which averages 103°F. (39°C.). With the competitive lubricant they were using, A G Sod Farms was also experiencing excessive foaming and a burnt odor of gear lube. This was requiring them to drain and replace the lube three to four times per year.

LE Solution

Monolec® Gear Lubricant (703) was recommended as it is a versatile, multi-viscosity EP gear oil which exceeds the

demanding requirements of many industrial gearboxes. Monolec 703 contains Monolec®, LE's exclusive wear-reducing additive.

Results

The irrigation gearboxes cost approximately \$350 each. Labor is estimated at \$38 per hour and lost productivity can run up to \$1500 per incident of gearbox failure. In one year A G Sod Farms estimates LE's 703 has saved them \$1,970. Drain intervals have been increased to every 18 months, compared to every four months with the commercial grade gear lubricant. The average gearbox temperature was reduced by 15°F.

Pat O'Leary, maintenance foreman said "The product separates completely from water and the drop in heat is remarkable. We have not lost a gearbox or had any repairs since changing to LE's 703. I would recommend it to anyone in this type of business."

Thank you to Pat O'Leary, maintenance foreman, and to the local LE lubrication consultant, for providing the information used in this report.



Monolec® is a registered trademark of Lubrication Engineers, Inc.

Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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