

Customer Testimonial



Monolec® Gear Lubricant (703)

City of Simi Valley WWTP – California

Sterling Gear Reducer on Clarifier

- Extended oil drain intervals

Customer Profile

The City of Simi Valley has a population of 85,000 and a growth rate of 2.6% per year. The City's wastewater treatment plant received the coveted California State Plant of the Year for 1996. They have been an LE customer since 1988.

Application

The primary and secondary clarifiers use a gear reducer to turn the spray arms.

Challenge

The City's WWTP clarifier arms are turned through a Sterling gear reducer with the spray arm tracking on a Pacific Process ring gear. Hoyt Pemberton, maintenance supervisor, wanted a gear oil that was multi-viscosity, EP rated and which met all of the manufacturer's specifications. He was also looking for long drain service, no discernible residue, and a lubricant that would protect the seals in the gear reducer. Hoyt would not allow any lubricant to drip into the effluent and contaminate the process. The Sterling gear reducer OEM specifications required an 80W90 EP gear lubricant, with a Timken load of 70 lbs.

LE Solution

Monolec® Gear Lubricant (703) met both the OEMs specifications and the maintenance supervisor's requirements. Monolec 703 is a versatile, multi-viscosity EP gear oil which exceeds the demanding requirements of all types of industrial gearboxes. It is "seal friendly", and because it is a multi-viscosity, can be used in both summer and winter months.

Results

The long drain requirement of Hoyt Pemberton was met with Monolec's ability to carry loads. The drain interval was extended to 12 months. The Sterling gear reducers have not failed and inspection of the gearing shows no measurable wear.

Other Products Used

- Almasol® Vari-Purpose Gear Lubricant (607)
- Nutrigent Industrial Cleaner (2100)
- Almagard® Vari-Purpose Lubricant (3752)
- Monolec® Hydraulic Oil (6110 & 6120)
- Monolec® R & O Compressor / Turbine Oil (6402,6405,6407)
- Monolec® GFS Engine Oil (8430)
- Monolec® Synthetic Industrial Oil (9150)

Thank you to Hoyt Pemberton, maintenance supervisor, and to the local LE lubrication consultant, for providing the information used in this report.

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