

## H-Drive Preventative Maintenance Schedule

### WEEKLY

**Final Drive Assembly**  
Check/drain condensate.

- Open drains to remove water. Close when oil is seen.
- Confirm proper oil level.

**Worm Gear Assembly**  
Check/drain condensate.

- Open drain to remove water. Close when oil is seen.
- Confirm proper oil level.
- If low, check for leaking shaft seals. Add oil to proper level if needed.

### MONTHLY

**Worm Gear Assembly**  
Grease worm shaft bearings.

- Clean two fittings located over worm shaft on top of housing.
- Add approximately two pumps of Lithium based #2 grease from a grease gun to each fitting.

**Motor and Primary Reducer**  
Inspect drive unusual noises or vibrations.

See Manufacturer's information included with the vendor's section of your maintenance manual.

### QUARTERLY

**Drive Chain and Sprocket**  
Inspect chain and sprocket.

- Check for loose bolts, set screws or keys. If necessary re-torque to the correct torque value.
- Check chain for excessive slack.
- Shift primary gear reducer or remove link when required.
- Check chain for wear.

**Shear Pin**  
Inspect and grease shear pin hub assembly.

Remove chain and shear pin and rotate hub to expose shear faces.

- Check teeth for wear.
- Clean faces and swab with Lithium based #2 grease.
- Reassemble chain and shear pin.

**Torque Overload Switches**  
Inspect and test overload system.

- Remove cover and inspect inside of housing for signs of condensate or oil.
- Inspect switches for signs of corrosion.
- Trip the microswitch by placing a knife blade in the gap to verify alarm/shut-off systems are functional.

### SEMI-ANNUALLY

**Seasonal Oil Changes**  
Change oil in intermediate/worm and main drive assemblies. Please refer to owner's manual for primary assembly.

Refer to the Oil Capacity chart for your drive.

<b>Summer:</b> 40°F (4°C) or higher Mobil SHC-630 or equal	<b>Winter:</b> 40°F (4°C) or lower Mobil SHC-629 or equal
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# Extend the Useful Life of your Wastewater Treatment Assets

Components and systems age at varying rates with some parts remaining useful while others are in imminent danger of failing. Often, the failure of vulnerable components can trigger larger failures and result in damages and/or compliance issues.



Installation and aftermarket services are available to plant operators and managers to help protect equipment and the investment in utility assets.

## EVOQUA CAN HELP

- **Inspect**—Quantitative and qualitative assessment of the condition of components and systems with recommendations from OEM experts
- **Restore**—Rehabilitation of your system to improve operational efficiency and extend life
- **Install**—A single source of responsibility for supply and installation
- **Update**—Component and systems that improve capacity and performance in existing tanks with little or no structural modification

Evoqua's dedicated team of technical experts can help save your plant time and costs with maintenance training, system evaluations, rehabilitation's and retrofit services available.

We will ensure efficient and reliable operation of your equipment and systems to maximize process uptime and equipment life. Our extensive inventory of parts and can provide service for primary and secondary clarifiers, clarifier drives, chain and scraper systems, diffused aeration, high-speed aerators, and sludge digestion equipment. Evoqua is the original equipment manufacturer (OEM) of Envirex®, FMC, Aqua-Lator®, Link-Belt®, Passavant, PFT® and many other brands.



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