

# Protect Bearings And Stern Tube During Vessel's Winter Layups



## JOHNSON® CUTLESS® STERN TUBE FILLER.

Johnson® Cutless® Stern Tube Filler is a specially formulated environmentally-friendly displacement medium from Duramax Marine® that affords freeze damage protection structure for a vessel's stern tube, propeller shaft and bearings during winter lay up.

Many marine vessels in fresh water northern regions as in the Great Lakes area are placed in an inactive or laid up status

during the winter months. Johnson® Cutless® Stern Tube Filler is designed as an cost-effective engineered system used to remove water from stern tube to prevent disruptive damage to Johnson® Cutless® rubber bearings and stern tube caused by freezing water during inactive status.

Since the stern tube is on a normally water-submerged portion of the hull, the water cannot ordinarily be removed by

gravity drainage.

This compound can be used while vessel is in water or for dry land storage.

Stern Tube Filler is a non-absorbent compound, is not consumed during use, and needs no replacement in stern tube housing. Once in place, it needs no maintenance attention or periodic servicing during period of winter lay up.



Duramax Marine® is an ISO 9001:2008 Certified Company

# DURAMAX MARINE®

Call Duramax Marine®  
440-834-5400

FAX 800.497.9283 USA & Canada  
[www.DuramaxMarine.com](http://www.DuramaxMarine.com)



# Johnson® Cutless® Stern Tube Filler Is An Engineered Environmentally Friendly Water Displacement Compound.

Johnson® Cutless® Stern Tube Filler is not harmful to water-lubricated rubber bearing or other water-lubricated bearing materials. Gives bearings and stern tubes maximum winter freezing protection, it remains continuously effective and is easily flushed

out with warm water without any damage to environment. It is designed for water-lubricated propulsion systems eliminating the need to use heavy oil, a tallow mixture or other such non-miscible liquids that requires time-consuming steaming to

reduce viscosity of medium so it can be pumped or flushed out when vessel is restored to active service. Use of this type of medium is hard to remove and can cause contamination of harbor waters.

## Johnson® Cutless® Stern Tube Filler is:

### Easy To Use.

The viscosity of water-soluble stern tube filler is that of heavy grease. To facilitate injection into stern tube, bring slowly up to temperature of approximately 70° Fahrenheit (preferably by storing in warm room for several hours). Then stir thoroughly before using. It can be injected into the stern tube through the water lubricating line with a grease pressure gun. Break the water lubrication line to the bearings at the stern tube and completely fill the stern tube and all bearings below the water line.

### Easy To Remove.

Filler must be flushed out with warm water before turning over shaft in the spring. It can be easily removed prior to placing the vessel in operation. Flush from the stern tube bearings by circulating warm lubricating water before vessel is activated again.

### Easy To Purchase.

Purchase your stern tube filler directly from Duramax Marine® in easy-to-handle 5-gallon pails. (37 pounds per pail). Call today for your price quotation.



### AVAILABLE IN 5 GAL. SIZE

- Non-Flammable
- Water Soluble
- Easy Application
- Easy Removal
- Biodegradable

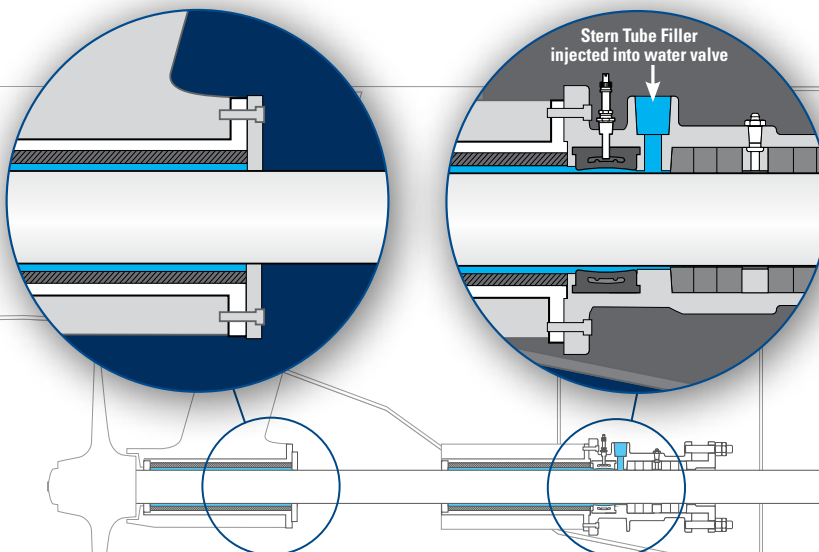
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*Johnson® Cutless® Stern Tube Filler is injected through water lubricating line with grease pressure gun to completely fill stern tube. (Shown in blue)*

