**[EMM](http://srv-glas301:82/Leisure/content/parent%20category%20topics/procedures%20and%20operations/emm.htm) > 8.0 Vessel General Permit (VGP) Effluent Limits for *Controllable Pitch Propeller and Thruster Hydraulic Fluid and Other Oil-to-Sea Interfaces Including Lubrication Discharges from Paddle Wheel Propulsion, Stern Tubes, Thruster Bearings, Stabilizers, Rudder Bearings, Azimuth Thrusters, Propulsion Pod Lubrication, and Wire Rope and Mechanical Equipment Subject to Immersion.***

[**EMM**](http://srv-glas301:82/Leisure/content/parent%20category%20topics/procedures%20and%20operations/emm.htm) **> 8.0 Vessel General Permit (VGP) *Boat Engine wet Exhaust***

EAL’s are required to be used in all cases except where “technical infeasibility” can be demonstrated. This applies where:

1. no EAL products are approved for use in a given application that meet manufacturers specifications for that equipment.
2. products which come pre-lubricated (eg wire ropes) have no available alternatives manufactured with EALs.
3. products meeting a manufacturer’s specification are not available within any port in which the vessel calls.
4. change over and use of an EAL must wait until the vessel’s next dry-docking (consistent with the requirements of 46 CFR 31.10-21, typically at least every 5 years or sooner)

*Vessels are to complete details of equipment onboard and return to Superintendent.*

| **SYSTEM** | **Make/Model of Equipment** | **Supplier and grade of Current Lubricant** | **EAL (Y/N)** | **Is Equipment Manufacturer approved EAL available?** | | **If Yes but Dry dock required**  **Date next Dry dock** |
| --- | --- | --- | --- | --- | --- | --- |
| **Yes / Supplier and grade of Lubricant** | **No / Reason**  **Justification/Makers letter to attach** |
| **Stern Tube** |  |  |  |  |  |  |
| **Stern Tube Seals** |  |  |  |  |  |  |
| **Controllable Pitch Propeller** |  |  |  |  |  |  |
| **Thrusters hydraulic fluid** |  |  |  |  |  |  |
| **Azimuth (and/or Tunnel) Thrusters** |  |  |  |  |  |  |
| **Thruster bearings** |  |  |  |  |  |  |
| **Stabilisers** |  |  |  |  |  |  |
| **Propulsion pod lubrication** |  |  |  |  |  |  |
| **Rudder Bearings** |  |  |  |  |  |  |
| **Wire Ropes** |  |  |  |  |  |  |
| **Mechanical Equipment subject to immersion** |  |  |  |  |  |  |
| **Small boats with wet exhaust and 2-stroke engines** |  |  |  |  |  |  |

**EAL Definition:** “Environmentally Acceptable Lubricants” means lubricants that are “biodegradable” and “minimally-toxic,” and are “not bio accumulative” as defined in **Final Vessel General Permit.** For purposes of the **VGP**, products meeting the permit’s definitions of being an “Environmentally Acceptable Lubricant” include those labelled by the following labelling programs: Blue Angel, European Ecolabel, Nordic Swan, the Swedish Standards SS 155434 and 155470, Convention for the Protection of the Marine Environment of the North-East Atlantic (OSPAR) requirements, and EPA’s Design for the Environment (DfE).