What is claimed is:

1. A kit, comprising:

a vibration dampening plate comprising a center shaft hole, a thickness of at least 12 mm, a first plurality of holes positioned around the outside of the plate and positioned to interface with a bulkhead, and second plurality of center holes positioned to interface with a bearing flange; and

a first set of fasteners comprising a fastener size corresponding to the plurality of holes positioned around the outside of the plate, the first set of fasteners further comprising a number of fasteners at least equal to the plurality of holes positioned around the outside of the plate.

2. The kit of claim 1, wherein the vibration dampening plate further comprises a thickness between 12 mm and 50 mm.

3. The kit of any one of claims 1 and 2, wherein the first plurality of holes comprises eight holes.

4. The kit of any one of claims 1 through 3, wherein the second plurality of center holes comprises four holes.

5. The kit of any one of claims 1 through 4, wherein the vibration dampening plate comprises at least one material selected from the materials consisting of: steel, woven glass, epoxy, a laminated material, rubber, plastic, an elastic material, and a composite material.

6. A method for using the kit of any one of claims 1 through 5, the method comprising:

de-coupling a pump driveshaft flange from a companion flange;

de-coupling a pump-side bearing flange from a bulkhead, the bulkhead interposed between a prime-mover side and a pump-side of a PTO-driven pump;

interposing the vibration dampening plate between the pump-side bearing flange and the bulkhead;

drilling holes in the bulkhead aligned with the first plurality of holes;

coupling the vibration dampening plate to a pump-side of the bulkhead with the first set of fasteners through the first plurality of holes; and

coupling the pump-side bearing flange to the vibration dampening plate with the second set of fasteners through the second plurality of center holes.

7. The method of claim 6, further comprising loosening set screws on a prime-mover side bearing flange, and adjusting a bearing shaft to provide a first gap between the pump-side bearing flange and the companion flange, and to provide a second gap between the prime-mover side bearing flange and a prime-mover side companion flange.

8. The method of claim 7, wherein the providing the first gap and the second gap comprises providing each gap of at least 5 mm.

9. A system, comprising:

a PTO-driven pump comprising a prime-mover side and a pump-side;

a bulkhead interposed between the prime-mover side and the pump-side, the bulkhead having an opening therein;

a vibration dampening plate comprising a center shaft hole, a thickness of at least 12 mm;

the vibration dampening plate interposed between one of a pump-side bearing flange and a prime-mover side bearing flange, and the bulkhead;

the vibration dampening plate further comprising a first plurality of holes positioned around the outside of the plate and positioned to interface with the bulkhead, and second plurality of center holes positioned to interface with the bearing flange;

the one of the pump-side bearing flange and the prime-mover side bearing flange coupled to the bulkhead at the opening therein; and

a bearing shaft extending through the opening in the bulkhead, the vibration dampening plate, the pump-side bearing flange, and the prime-mover side bearing flange.

10. The system of claim 9, wherein the vibration dampening plate comprises at least one material selected from the materials consisting of:

steel, woven glass, epoxy, a laminated material, rubber, plastic, an elastic material, and a composite material.

11. The system of any one of claims 9 and 10, ~~wherein the vibration dampening plate includes a first plurality of holes positioned around the outside of the plate, and~~ wherein the vibration dampening plate is coupled to the bulkhead by fasteners extending through the first plurality of holes.

12. The system claim 11, wherein the fasteners each comprise a bolt, washer, and locknut.

13. The system of any one of claims 9 through 12, wherein the vibration dampening plate further comprises a thickness between 12 mm and 50 mm.

14. The system of any one of claims 9 through 13, further comprising a companion flange coupled to a driveshaft flange, the system including a gap of at least 5 mm between the companion flange and the one of the pump-side bearing flange and the prime-mover side bearing flange.

15. The system of any one of claims 9 through 14, wherein the PTO-driven pump is capable of delivering at least 10 kW of hydraulic pumping power.

16. The system of any one of claims 9 through 14, wherein the PTO-driven pump is capable of delivering at least 150 kW of hydraulic pumping power.