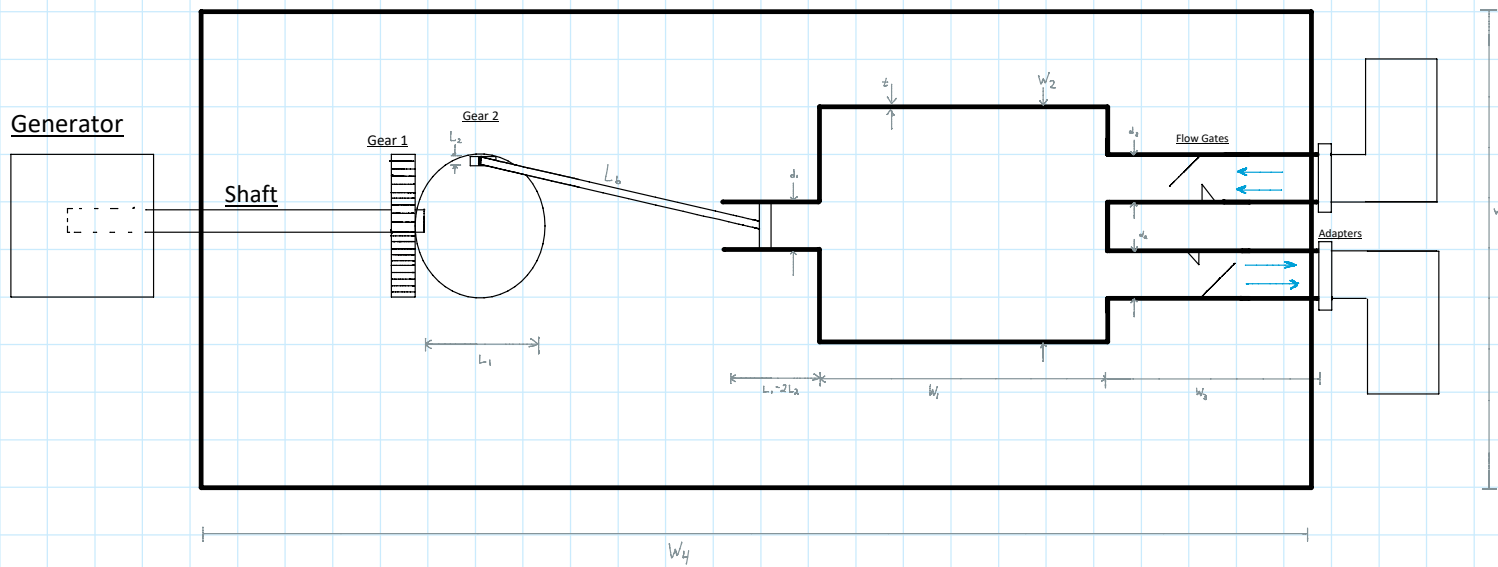


Engineering Design Positive Displacement Pump - Drawings - Joseph

Spear

Monday, October 12, 2020

1:51 PM



Given Radius of Gear From Analysis

$$L_1 = 2r_g = 0.205 \text{ m}$$

$$L_2 = 0.005 \text{ m}$$

$$L_b = 0.457 \text{ m}$$

$$d_1 = 0.097 \text{ m}$$

$$d_2 = 0.0232156 \text{ m}$$

$$t = 7.62 \times 10^{-4} \text{ m}$$

$$W_1 = 0.9144 \text{ m}$$

$$W_2 = 0.2911 \text{ m}$$

$$W_3 = 0.0762 \text{ m}$$

$$W_4 = 3 \text{ m}$$

$$W_5 = 2 \text{ m}$$