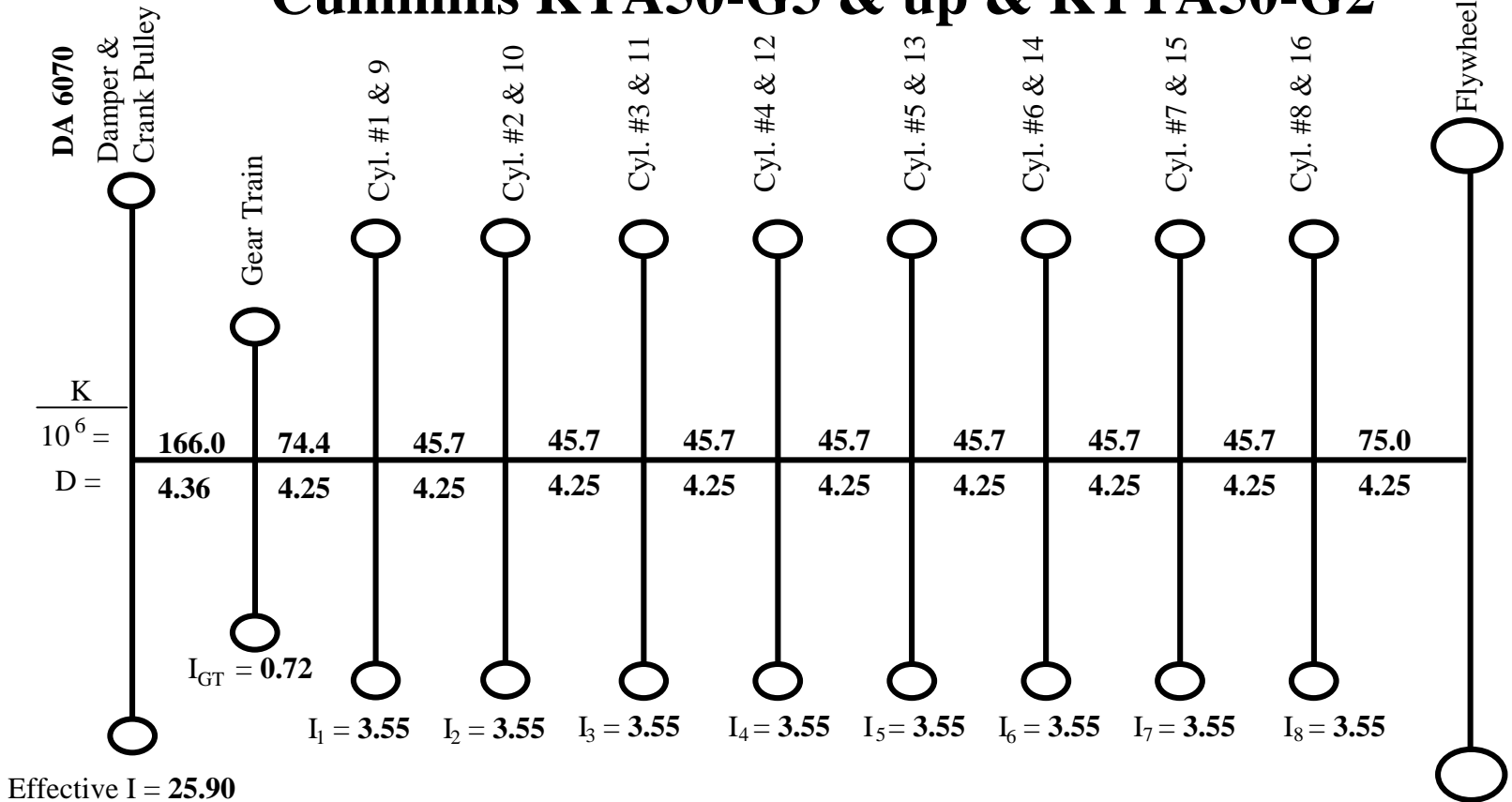


Mass Elastic System

Cummins KTA50-G3 & up & KTTA50-G2



Effective Inertia = Housing + Pulley + 1/2 Floating
 Housing Inertia = **14.73**
 Floating Inertia = **18.86**
 Pulley Inertia = **1.71**
 Structural damping = **0.10**
 Viscous damping = **15,000**

I = Mass Moment of Inertia (in-lb-sec²)
 K = Stiffness (in-lb/radian)
 D = Minimum Shaft Diameter (inches)

SAE 0 : FW 6009: $I_{FW} = 57.2$
 SAE 00: FW 6017: $I_{FW} = 148.5$