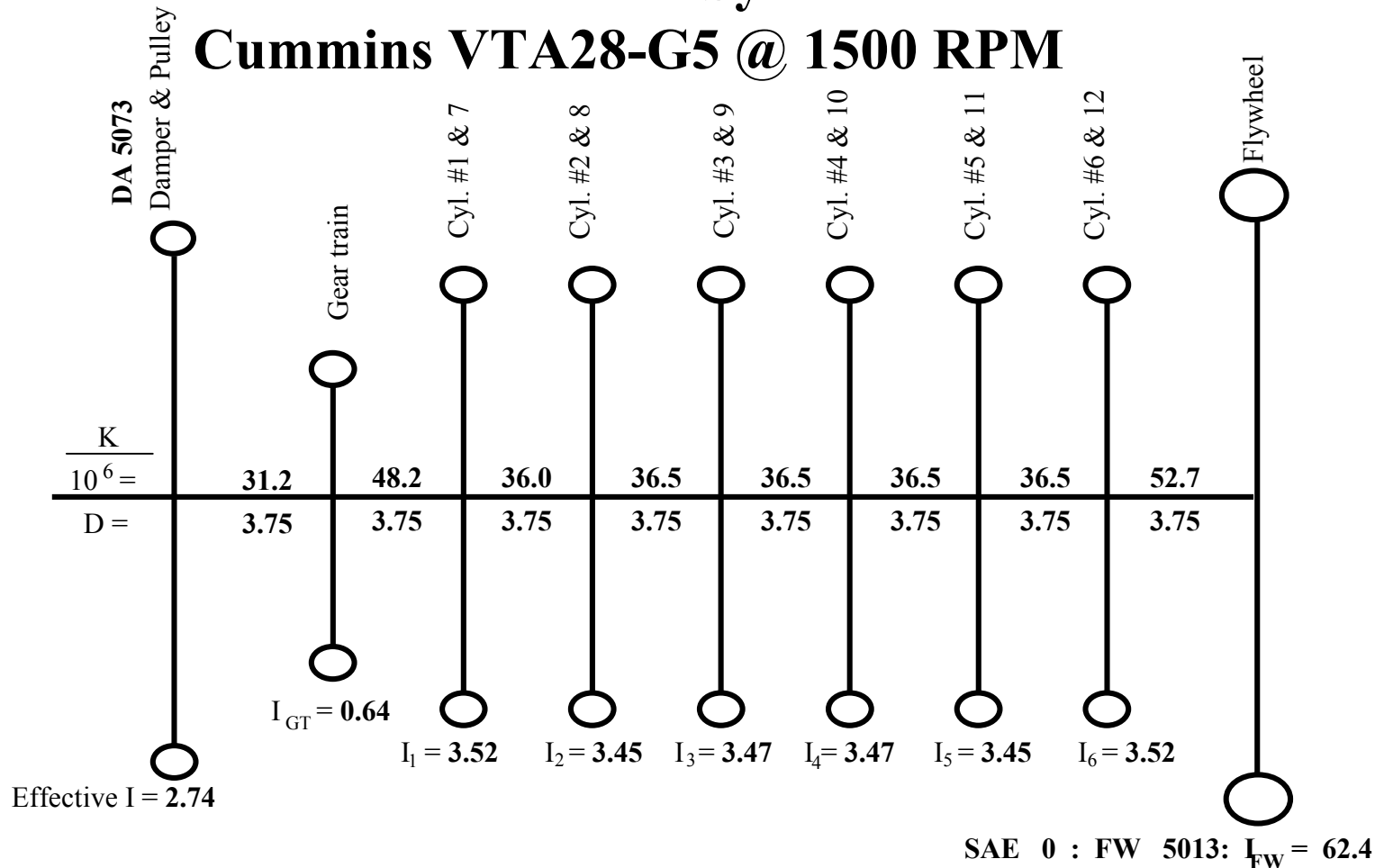


Mass Elastic System

Cummins VTA28-G5 @ 1500 RPM



Effective Inertia = Housing + Pulley + 1/2 Floating

Housing Inertia = 0.94

Floating Inertia = 1.98

Pulley Inertia = 0.81

Structural damping = 0.035

Viscous damping = 1800

I = Mass Moment of Inertia (in-lb-sec²)

K = Stiffness (in-lb/radian)

D = Minimum Shaft Diameter (inches)