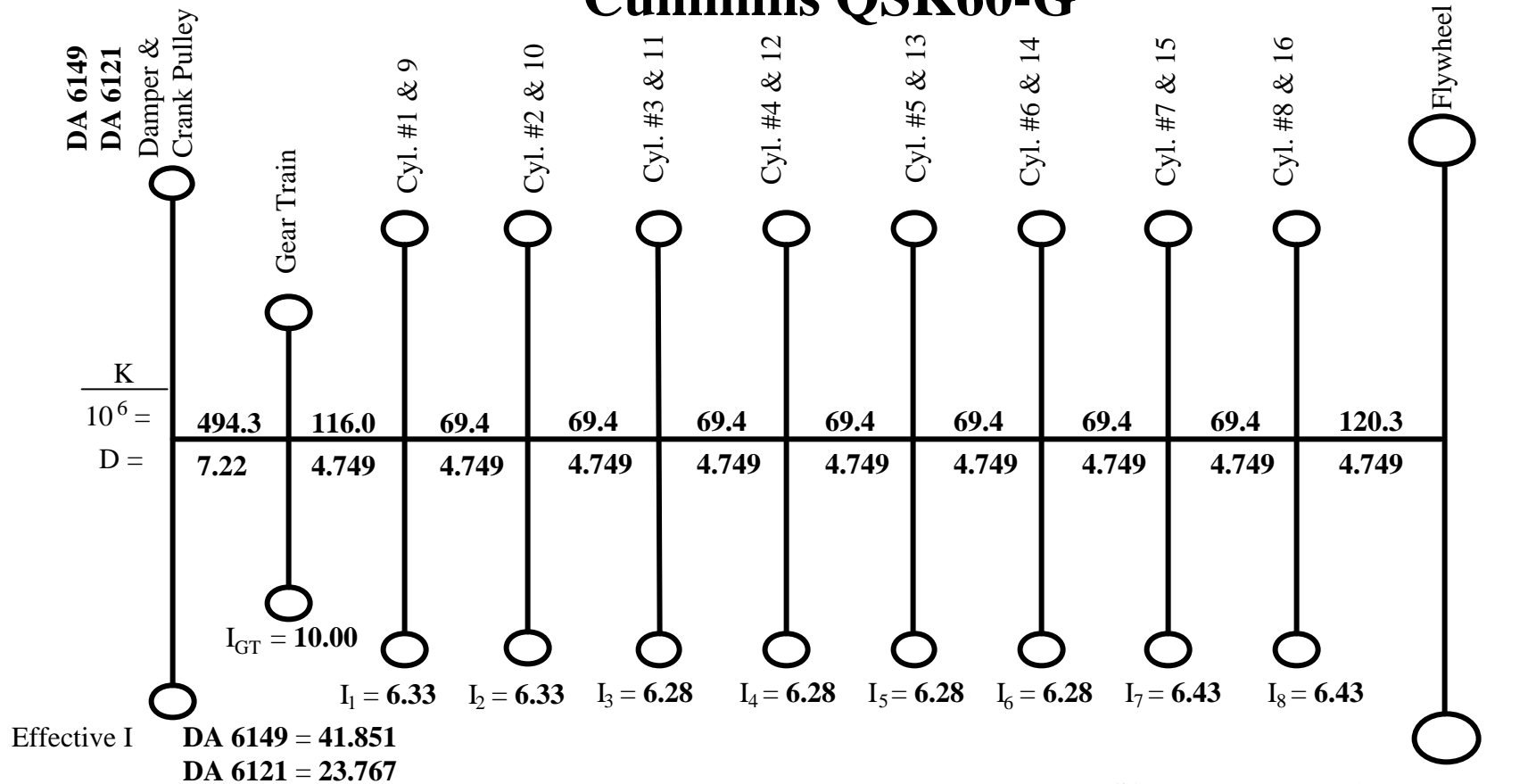


Mass Elastic System Cummins QSK60-G



Effective Inertia = Housing + Pulley + 1/2 Floating

	DA 6149	DA 6121
Housing Inertia	= 26.513	13.307
Floating Inertia	= 27.596	18.86
Pulley Inertia	= 1.54	1.03
Structural damping	= 0.15	0.15
Viscous damping	= 22,000	15,000

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

K = Stiffness (in-lb/radian)

D = Minimum Shaft Diameter (inches)

Viscous damping in-lb-sec/radian

SAE 0 : FW 6064: $I_{FW} = 55.6$

SAE 00: FW 6037: $I_{FW} = 148.5$