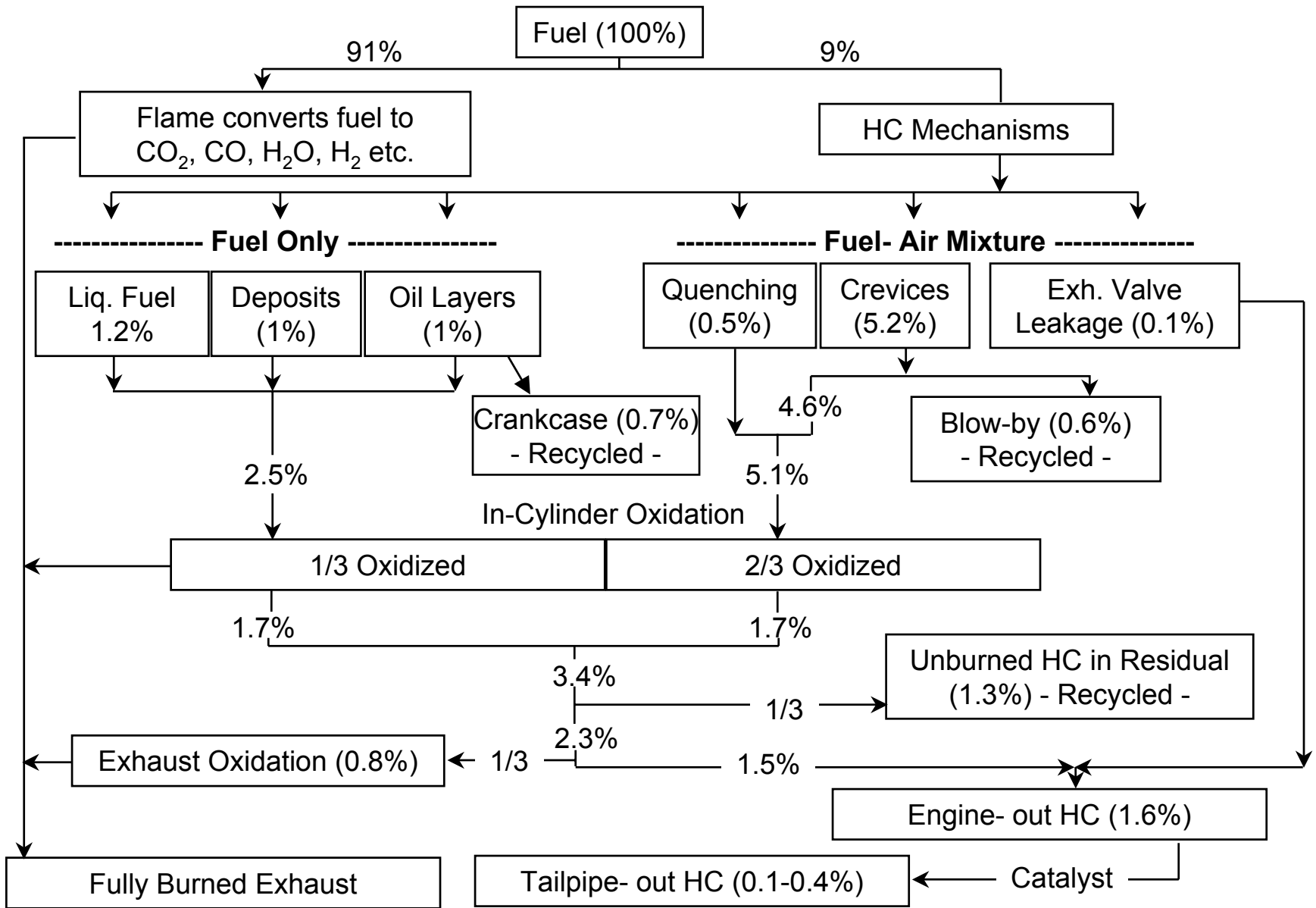


Hydrocarbon Pathway - Steady State, cruise condition



HC Sources: Magnitudes and Percent of Total Engine-out Emissions

<u>Source</u>	<u>% Fuel Escaping Normal Combustion</u>	<u>Fraction Emitted as EOHC</u>	<u>% Fuel as HC Emissions</u>	<u>% of Total EOHC Emissions</u>
Crevice	5.2	0.15*	0.682*	42.6
Quench	0.5	0.15	0.074	4.6
Oil Layers	1.0	0.09**	0.090**	5.6
Deposits	1.0	0.30	0.300	18.7
Liquid Fuel	1.2	0.30	0.356	22.2
Valve Leakage	0.1	1.00	0.100	6.3
Total	9.0		1.60	100

* Blowby (0.6%) subtracted

** Amount to crank case (0.7%) subtracted