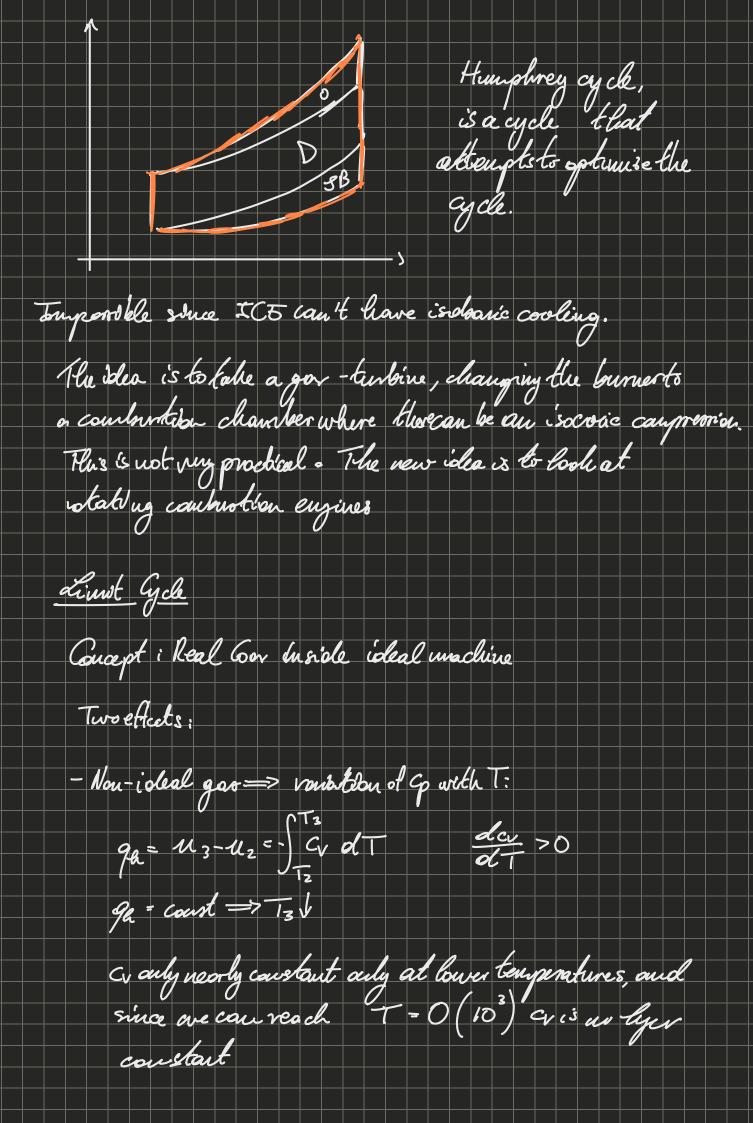
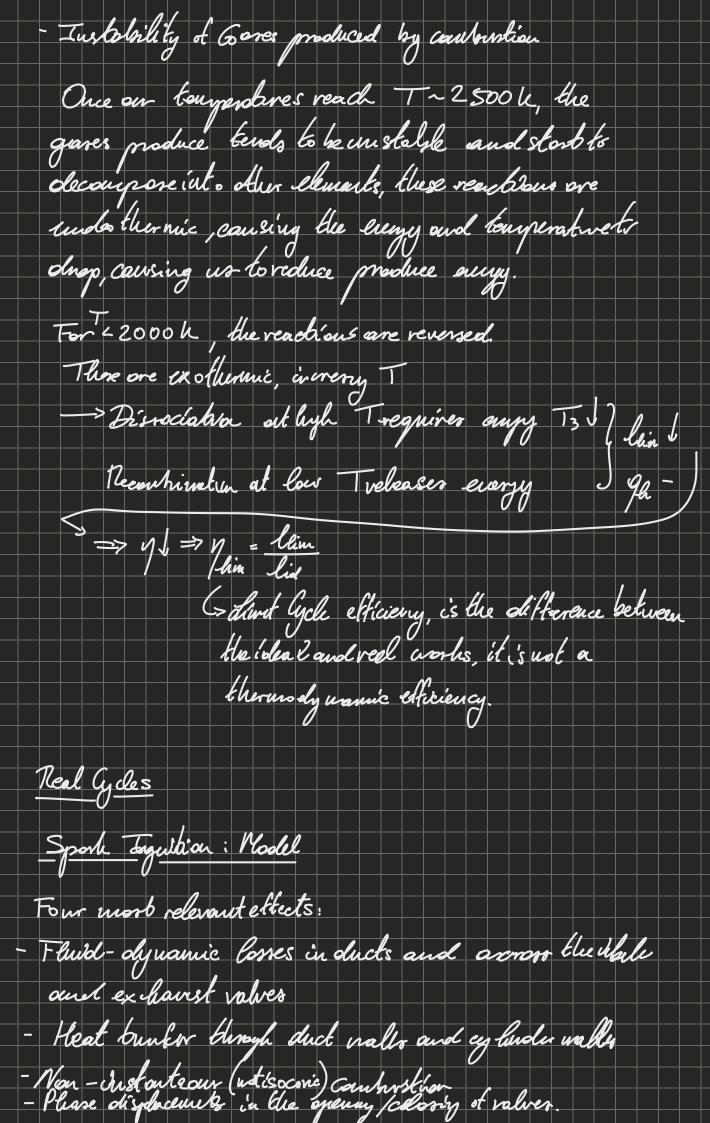
Lesione 30 -Diesel cycle hur unch lugher B since the compress to ignite Motionel contains the volume ratio between the two ports where it changes since it such the same. Because we have an ce, the curse relative to the Otto cycle is lower. The brend of the real extrinercy is maintained like the ideal etticiency The is just simply a drop to correct the trend but the shape is the same. Diesel Vs. Oto Balvonbyer la Higher overall efficiency 4> blogher efficieny at part bad Gress valuable fuel Disadroutages

Disadroutages
Li Heavier
Li Lower power per un't di placed volume
Li Generally noisier.





Indicated eyele is smoother since not verything is tarkoneous Losses reduce s became we need to heep cooling the walls so they don't fail on us. Power of the Engine:  $\eta = \frac{|L'|}{|\dot{u}|} = \frac{|\dot{u}|}{|\dot{u}|} = \frac{|\ell|}{|\dot{u}|} = \frac{|\kappa+1|}{|\dot{u}|} = \frac{|\kappa+$  $\dot{M}_{F6} = \dot{M}_{F} + \dot{M}_{ox} \rightarrow \alpha = \frac{\dot{M}_{ox}}{\ddot{M}_{F}}$ 1 = yLHVF  $N = \frac{|L|}{|Q_H|} = \frac{|M_FG||Q|}{|M_FG||Q|} = \frac{|Q|}{|Q|} = \frac{|Q|}{|Q|$ indicated (indicated circle than before from before from before your line worms exple efficiency from hid 10 | lind | lim | lid | | Cind | Chin | Cid | 9H

= 100g /IND /LIM /ID | l = 1/ n y / LHVE /2/= in=6/0/= 2 po V in = Yong Yand Paine Vid K+1 MF6 = DV. N. = 1 = 1p. V M 1 60 E of gasser digilecement "Coefficient to at idahe digibicement "coefficient for 2 or 4 strokes E=1 E= 2

Copture a Po Crilewrity of intalen now volume. fluid 7= P/Po -> P=Po A