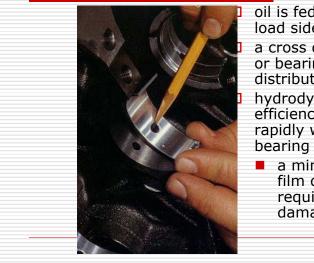


## **Bearing Lubrication**

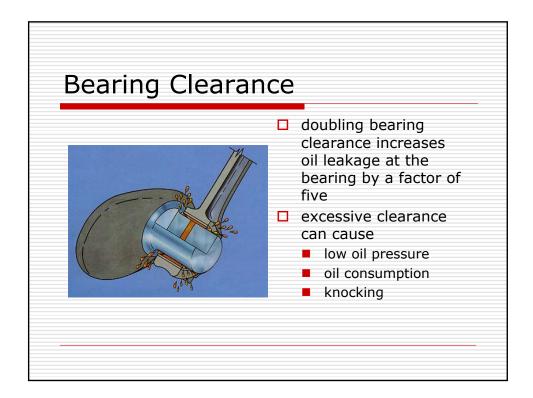


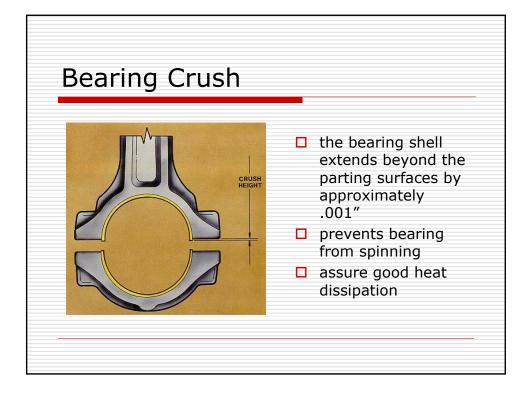
oil is fed from the low load side of bearing

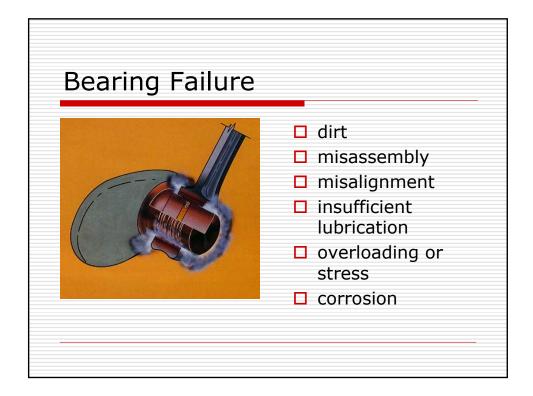
a cross drilled crankshaft or bearing groove distributes oil

hydrodynamic lubrication efficiency decreases rapidly with increased bearing clearances

 a minimum lubrication film of .000040" is required to prevent damage







## Bearing Damage

 surface fatigue
bearing cap shift
bent or twisted connecting rod
out of round bearing bore
misshaped journal
misaligned rod, crankshaft or main bore
excessive journal fillets
improper bearing crush
insufficient lubrication
excessive heat cavitation

