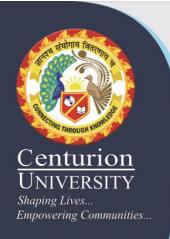


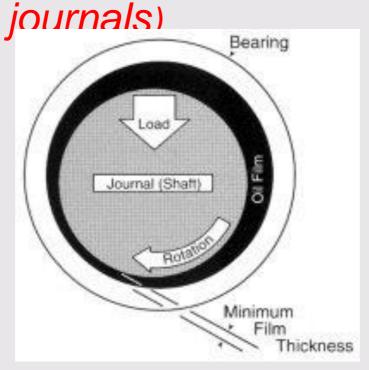
LUBRICATION SYSTEMS

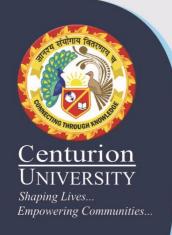


Purpose of Lubrication System

1. Lubricate

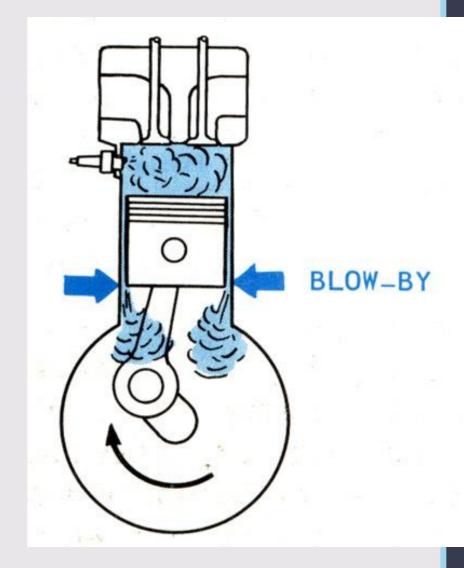
Reduces <u>Friction</u> by creating a thin film(Clearance) between moving parts (Bearings and

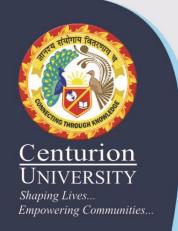




•2. Seals

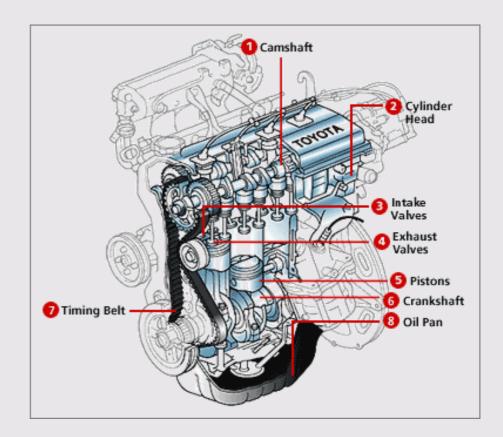
The oil helps form a gastight seal between piston rings and cylinder walls. (Reduces Blow-By/ oil leak)

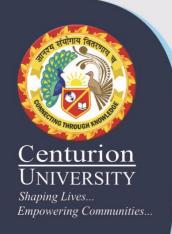




•3. Cleans

As it circulates through the engine, the oil picks up metal particles and carbon, and brings them back down to the pan.

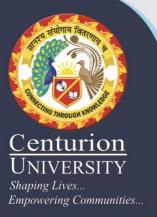




•4. Cools

Picks up heat when moving through the engine and then drops into the cooler oil pan, giving up some of this heat.





Engine parts to be lubricated

Crank shaft

Crank pin

Big and small end of the connecting rode

Piston pin

Internal surfaces of cylinder walls

Piston rings

Valve mechanisms

Cam shaft etc.

Classification of Lubrication Systems

Empowering Communities...

Pressure Lubrication/forced feed lubrication

Splash Lubrication and Combination Systems

LUBRICATION SYSTEM

