

CYLINDER BLOCK

MECHANICAL

7. Cylinder Block

- The cylinder block is made of aluminum die casting. A semi-closed deck structure is used to obtain a higher rigidity to hold the cylinder liners.
- The cylinder liners are made of cast iron. As they are of a dry type, their outer surfaces are entirely in contact with the cylinder block.
- The cylinder block supports the crankshaft at its five journals. The journal supporting portions are designed such that sufficient stiffness and quiet operation are ensured.
- Sintered material is fit in the casting at the #5 journal to achieve further quietness.
- The oil pump is located in the front center of the cylinder block and the water pump is located at the front of the left-cylinder bank. At the rear of the right-cylinder bank is an oil separator which removes oil mist contained in blow-by gas.