

Theme: “TRACTOR MANUFACTURING”



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VARIOUS SHOPS IN HMT IN TRAINING CELL

- MILLING SHOP
- FITTING SHOP
- TURNING SHOP
- TRACTOR SHOP



FOUNDRY SHOP

- INDA'S FIRST CUPOLA INSTALLED
- HMT FIRST CASTING 11.12.1964
- MOTHER OF INDUSTRY



COMPOSITION

GREEN SAND:-

- Return sand 85%
- New Sand 12%
- Bentonite 2%
- Saw dust 1%
- Moisture 4-5%



ENGINE SHOP

- FRONT COVER
- REAR COVER
- CAM SHAFT
- CONNECTING ROD
- ROCKER ARM ASSEMBLY
- INJECTION PUMP DRIVE BUSH
- CRANK CASE
- CYLINDER HEAD



- OIL PAN



MACHINE SHOP

UNITS IN MACHINE SHOP

- LIGHT MACHINE SHOP

- GEAR MANUFACTURING SECTION
- AUTO PARTS SECTIONS


- HEAVY MACHINE SHOP

- M.T.HOUSING
- GEAR BOX



TRACTOR ASSEMBLY

- **GEAR BOX SUB ASSEMBLY**
- **M.T.H & GEAR BOX JOINING**
- **MECHANICAL BRAKE ASSEMBLY**
- **GEAR SHIFTING ASSEMBLY**
- **PORTAL/ DIRECT AXLE MOUNTING**

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- LIFT MOUNTING
 - ENGINE MOUNTING
 - STEERING ASSEMBLY
 - HYDRAULIC BRAKE AND FLOOR
ASSEMBLY

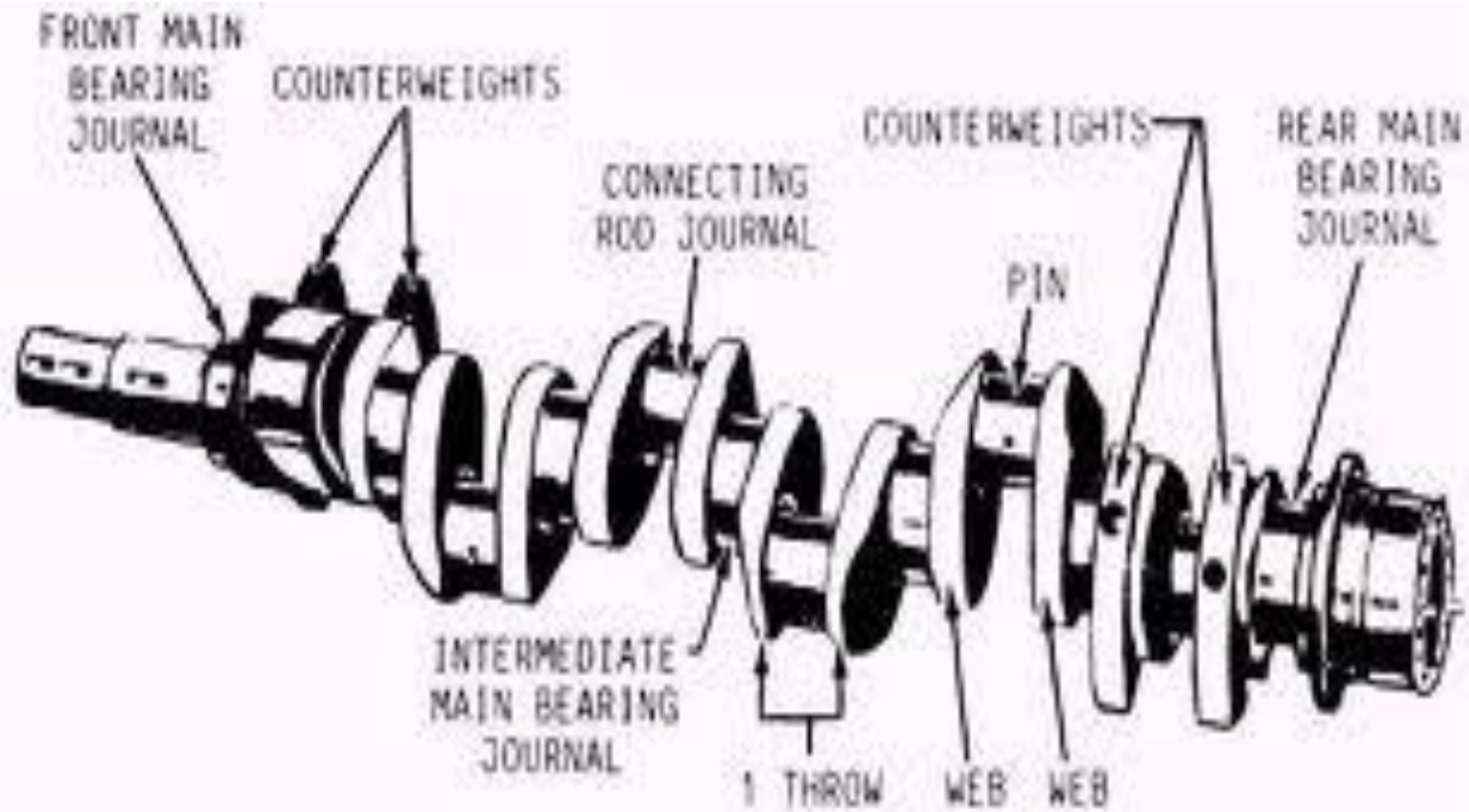
ENGINE ASSEMBLY

- CRANKSHAFT PRE ASS'Y
- PISTON PRE ASS'Y
- CRANKSHAFT ASS'Y
- LUBRICATION PLUG & PUNCHING.
- GEAR FITTING
- PISTON MOUNTING
- LUBRICATION PUMP ASS'Y

- FRONT & REAR COVER ASS'Y
- FLY WHEEL ASS'Y
- CYLINDER HEAD MOUNTING
- WATER PUMP & FILTER ASS'Y
- ROCKER ARM ASS'Y
- INJECTION PUMP TIMING
- FI PUMP TIMING

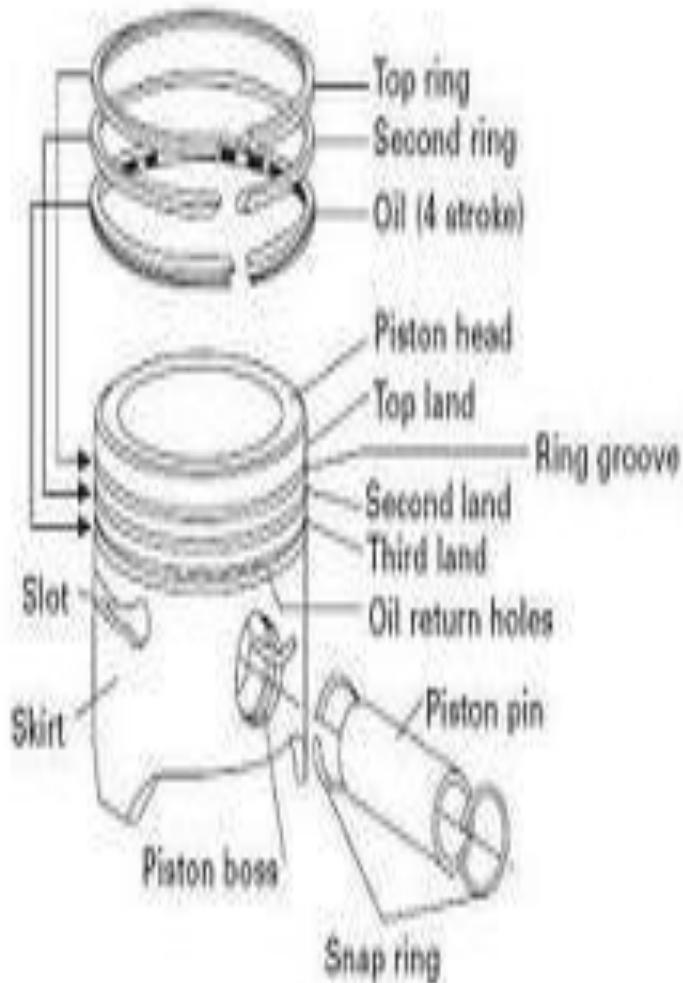


CRANKSHAFT

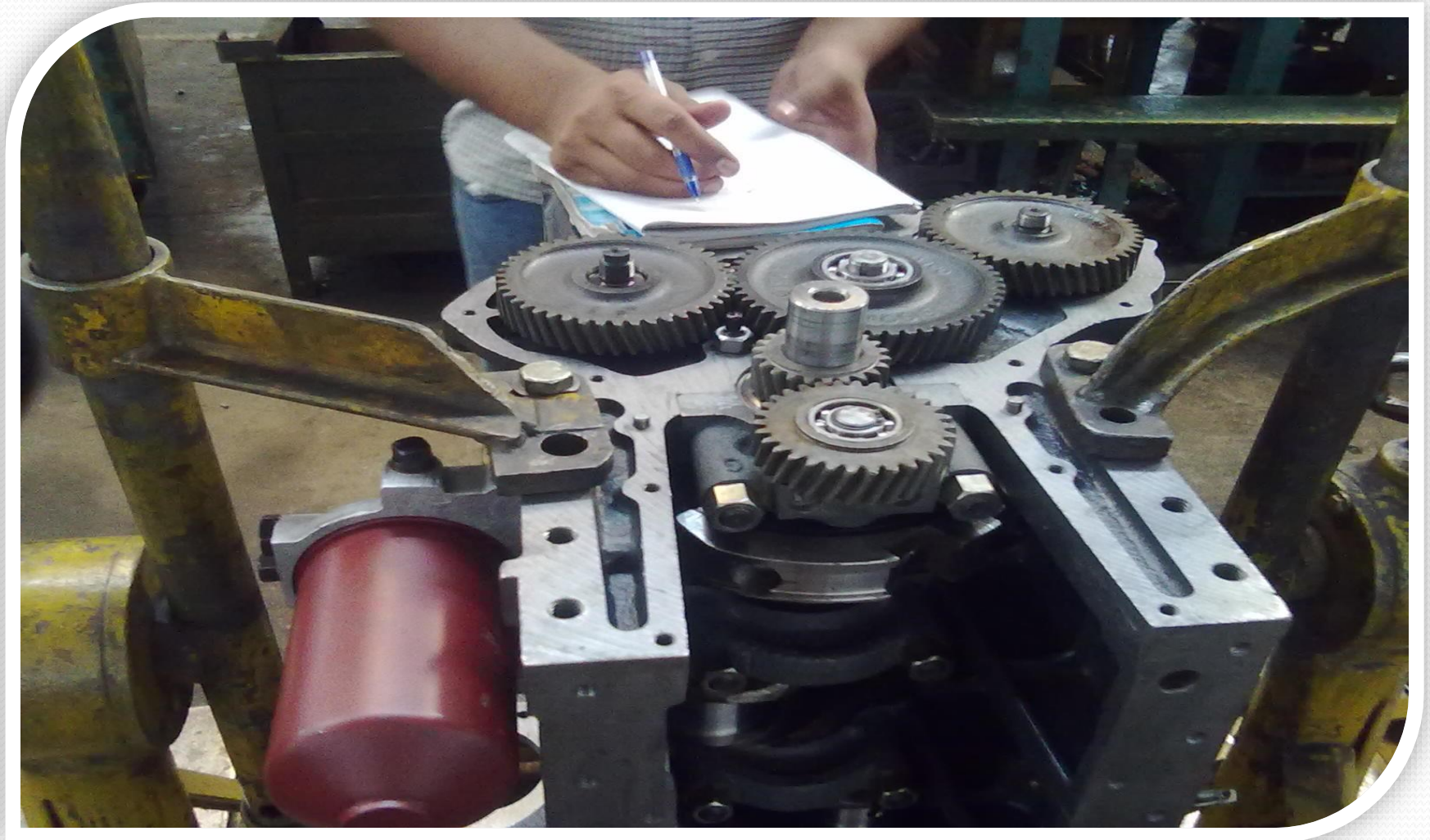


NOTE: 1-THROW=2-WEBB+1 PIN

PISTON PRE ASSEMBLY



TIMING GEAR SETTING



ENGINE TESTING



VARIOUS MODLES OF HMT TRACTOR



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THANK YOU

HAVE A GREAT DAY AHEAD