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Novel three-piston pump design for a slipper test rig

Junhui Zhang , Qun Chao , Bing Xu , Min Pan , Qiannan Wang ,
Yuan Chen

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Highlights

- A novel three-piston pump is created for the slipper test rig.
- The hold-down plate is first proposed to achieve the cylinder block balance.
- The test pump is capable of completing the slipper spin measurement.

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