Steam Engine SP5D

52-2700

Operating Instructions

Recommended for use under adult supervision.

1. Remove the safety valve and insert the filter funnel. Depress the cylinder away from the engine and fill the boiler up to the level indicator on the sight glass with clean water (a longer run will be obtained if hot water is used). Replace the safety valve and, using fingers only, screw it up tight. If the water level should fall below the bottom of the sight glass, the burner must be removed immediately before further use.
2. Use only *Mamod* solid fuel tablets (Timstar code HE08904) with these engines. Place two tablets flat in the tray (up to a maximum of 5). Light the tablets from the front end and carefully place the tray into the register beneath the boiler.
3. Oil all the parts indicated with **medium grade motor oil** (SAE 10/30 or similar). The engine should also be oiled occasionally during each run.
4. When steam is up, the engine will start with a few turns of the flywheel. The engine will run in the direction the flywheel is moved. Some water may be lost from around the cylinder while starting.

Precautions

- Do not hold down the safety valve or tamper with it in any way.
- Do not remove the safety valve while there may still be pressure in the boiler. (Remaining steam should be released by operating the whistle.)
- Do not refill the burner without first refilling the boiler.
- Do not over fill the burner tray.
- Do not operate engine in a confined space (use only in a well-ventilated place).
- Do not use in close proximity of small domestic pets.

Hints

1. Before the first run, flush the boiler with warm water.
2. Periodically washing the out the boiler with lemon juice or vinegar will prevent lime scale build-up.
3. When driving other models, check that they run freely and are well oiled. Driving bands should be tight enough to avoid slipping but must not cause binding. Gear models to allow the engine to run fast.
4. After using the engine, drain all water from the boiler and oil all working parts.