



Operating Instructions for SP6 and SP7

1. Remove safety valve and insert filler funnel. Fill the boiler up to the waist line on the sight glass with clean water; (a longer run will be obtained if hot water is used). Replace safety valve and using fingers only, screw up tight. Should the water level fall below the bottom of the sight glass, remove the burner immediately, and refill the boiler before further use.
2. Oil all moving parts with medium grade motor oil. Remove the top integral displacement lubricator cap. Fill the reservoir with good quality steam oil supplied ISO460 Compound T is recommended, up to the cross pipe which can readily be seen when the cap is removed. Replace cap, again tools are not necessary as the cap is sealed with an 'O' ring and finger tight is adequate.
3. Use only Mamod solid fuel or a Mamod gas burner conversion with this engine. Place a maximum 5 of tablets flat in the burner tray. Light the tablets and carefully place

the tray into the register beneath the boiler.

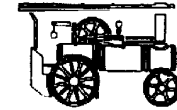
4. When steam is up the safety valve will start to weep and there may be a small leakage of water from the exhaust. Crack open the steam regulator by turning the wheel anti-clockwise. Steam is now supplied to the pistons. Rotate the fly wheel in the required direction. To reverse direction close the regulator valve and rotate the fly wheel in the other direction.

NOTE At the start of each run, particularly if starting from dead cold, the model may appear to jam up or behave jerkily, this is normal as condensation clears from the system.

GENERAL HINTS

1. Before the first run flush boiler with warm water and lemon juice.
2. When driving other models check that they run freely and are well oiled. Driving bands should be tight

STEAM MODELS



enough to avoid slipping but not cause binding. Gear models to allow the engine to run fast.

3. After using the engine, drain all water from the boiler and oil all working parts.

PLEASE NOTE

FOR YOUR SAFETY AND OTHERS

1. Suitable for person aged 14+ years of age.
2. Complies with BS7328 1990
3. Model should not be allowed to boil below the minimum.
4. Use only Mamod solid fuel or gas conversion.
5. Under no circumstances should the safety valve be tampered with or held down.
6. Do not remove the safety valve or any boiler connection whilst there is still pressure in the boiler.
7. The model will get hot and should only be handled by the base plate.
8. Check all seals for leaks and replace if required.

Every effort has been expended by Mamod Limited to attempt to ensure your safety and enjoyment in the construction of this model. Do not abuse it. Do follow the guidance given above, failure to do so will affect the warranty.

Always adopt a regular routine when preparing your locomotive, or any other steam engine for that matter, and when shutting down after a running session. We would recommend, in keeping with similar locomotives, a simple routine, GAS, OIL, WATER.

Mamod Limited

Unit 1A Summit Crescent
Industrial Estate
Smethwick Warley
West Midlands B66 1BT
Tel: 0121 500 6433
Fax: 0121 500 6309
Email: accounts@mamod.co.uk
www.mamod.co.uk