



STUART MODELS

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Running your Engine

When Starting

When starting open the drain cocks very slightly and turn the flywheel over a few times. The cold engine will condense the steam and this must be expelled before the engine will run. This is particularly important for piston valve engines.

When Shutting Down

When shutting down oil the engine. If a Stuart displacement lubricator is not fitted, draw oil into the cylinder through the exhaust.

Lubricating your Engine

Keep all moving parts well oiled, particular attention should be paid to bearings, sliders and pivots, fitting oil cups will help as will fitting a displacement lubricator.

Displacement Lubricators

Fitting a lubricator enables your engine to be run at full speed for extended periods whilst reducing wear to a minimum.

An amount of steam from the boiler enters the lubricator and condensing on the surface of the oil sinks. This drop of water displaces oil which passes out into the main flow of steam, lubricating the slide valve, piston and glands on its way through the engine. This process is repeated according to the valve opening. It is important to fit the lubricator in such a position that it's temperature is correct to condense the steam.

We recommend you use Stuart cylinder oil and are careful not to fill above the crossbar. It is important to use a good quality steam oil in cylinders. Other oils are practically useless at the temperature of steam. Our cylinder oil is specially prepared for steam up to 120 psi pressure. The lubricator holds sufficient oil to last between one and two hours.