

# SUNDIAL 2HP

## TECHNICAL HISTORY

The SUNDIAL family of engines was manufactured in Australia by H.V.McKAY MASSEY HARRIS Pty Ltd at the Sunshine Harvester Works, Sunshine Vic. They were essentially simple horizontal cylinder 4 stroke petrol powered engines with an atmospheric inlet valve. The engine could be converted to run on kerosene and late in their production run this became a standard feature.

The 2hp engine had 2 major design changes. Initially the type A engine was of OHV design, painted red. Then came the SV type B design. Initially this also was painted red, followed by the most common engine, the green painted type B design as described here. The colour change was introduced in 1943. Other minor changes were made to improve the engine during its long production run from 1926 to 1949.

The type B design was of simple, horizontal cylinder design. Cooling was by hopper. Lubrication was by total loss, with cylinder lubricated by drip oiler, major bearings by wick oiler, and other moving parts by oilcan.

Internal dimensions of the engine are bore: 4ö, and stroke: 4 1/2ö. Ignition is by hightension magneto to an 18mm sparkplug. Fuel is sucked from a 7/8 gal. tank located under the engine (between the skids) by induction vacuum through a needle valve. Drive is usually by flat belt from the standard 6 1/2öpulley, which can be mounted, on either flywheel.

## WORKING HISTORY

The working history of this engine is not well known, although Monty Bunnett remembers that the selling agent for this engine was Alfred Cavanagh of Gawler St, Mt Barker. It was originally owned by Mrs Williams of Mt Barker Springs and used as a power source for a milking machine. Mr. Syd Brittain donated it to the Club.

Sundial 2HP purchased by a Mrs Williams of Mt Barker Springs power source of a miking machine, the agent would have been Alfred Kavanagh Gawler St Mt Barker. Donated again by S Brittain and predominantly restored by Peter Daw and Keith Powel.

