

Stock Code :  
880802001 - S195N  
880802002 - S1100GN

# Diesel Engine

## Operation of the engine

1. Adding water : pour clean water into the hopper, until the floater rises up to the highest position. Don't use dirty water or the water which contains dirtiness, alkaline or salt.
2. Adding fuel : Open the cover of the fuel tank, pour into it the clean diesel fuel which has already been statically precipitated for more than 48 hours. Use No.0 light diesel fuel in summer, No.-10 in winter.
3. Adding lubricating oil : Take the oil indicating stick out of the crankcase. Use No.CC40 high speed diesel engine oil in summer, No.CC30 in winter. The quality of added oil is about 2.5kg, so that the oil level in crankcase will lie between the two marked lines on the dipstick.(Fig.1)  
Caution : the oil level must not go over the upper line, nor fall down below the lower line, when the engine is in operation.
4. Set the speed-control lever knob at the "STOP" position. Turn clockwise the decompression lever with your left hand, so as to make sure that the engine is in decompression state. At the same time, crank the engine by means of starting handle inserted into the starting shaft, gradually speed up and observe whether the red floater in the oil indicator rises. The rise of the red floater means normal operation of the lubricating oil pump with sufficient quantity of oil. Otherwise, the quantity of the oil may be insufficient in the sump, or there may be some defects or troubles in the lubricating oil pump itself or on other parts of the lubrication system. In that case, should make careful check and take appropriate measures.
5. Open the fuel cock, then the fuel will flow through the fuel filter to the injector pump.
6. If there is any air in the fuel pipe line, loosen the screw on the fuel pipe of the fuel injection pump to let the air out. (Fig.2)



Air Venting

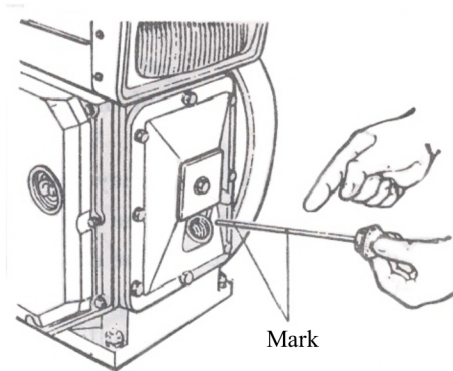


Fig.1

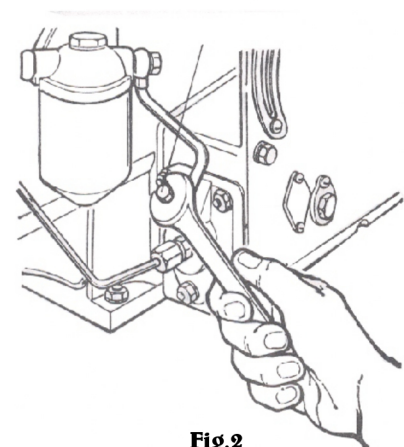


Fig.2

## Specifications

Model	S195N	S1100GN
Type	Single-Cylinder, Four-stroke, horizontal	
Cylinder bore (mm)	95	100
Piston stroke (mm)	115	
12hr rated output(kw)/rated speed (r/min)	8.82/2000	10.03/2000
Piston displacement (litre)	0.815	0.903
Compression ratio	20	
Specific fuel consumption (g/kw.h)	≤ 265.2	≤ 263.8
Lube consumption (g/kw.h)	≤ 2.72	
Method of cooling	Condensor	
Method of starting	Electric	
Opening pressure (mpa)	12.5±0.49	125±5k/cm <sup>2</sup>
Starting motor output (kw)	1.5	1.6
Fan Pulley (A-type) (mm)	1120	
Outline sizes (LxWxH) (mm)	920 x 500 x 660	
Net mass (kg)	150	165

\*\*\*Product's specification may subject to change without further notice.  
\*\*\*Actual product may slightly differ from pictures shown.

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