

GENERAL MAINTENANCE INSTRUCTION NO 25

MAINTENANCE OF PIONJAR ROCK DRILLS

Aim:-

This instruction highlights special precautions, which must be followed and should be read in conjunction with the maintenance instruction issued along with the equipment.

Precautions:

Following precautions should be observed before the equipment is used.

- (a) Correct mixture of gasoline and oil in the ratio of 1 : 12 is always used.
- (b) Before mixture of fuel and oil is poured in the tank, it should be shaken carefully as undissolved oil can use the engine to seize.
- (c) The tank should not be filled more than 6 cm from the upper edge.
- (d) Rock particles and dust must not be allowed to enter the machine. To ensure this air filter should be washed daily in gasoline and the filter element should be moistened with light or diluted oil before fitment.
- (e) The carbon deposits, which are being formed continuously, must be removed with the cleaning needle for the purpose. To ensure that the needle does not strike the piston, turn the flywheel by pulling gently the starting wire till the rubber plug visible through the grill is at its lowest position. The valve should then be unscrewed and then with the help of the needle the duct cleaned. If this is not done regularly the carbon will get hardened and it may be difficult to remove it at a later stage. After cleaning the duct, the valve, which has been unscrewed, should also be cleaned.
- (f) Cleaning and adjustment of CB points :- cleaning of CB points and maintenance of correct gap is absolutely essential. An Inspection hole in the flywheel fitted with a rubber plug is provided for this purpose. Remove the cover and plug and clean CB points with a thin file. The gap should then be adjusted to 0.018" – 0.020" (0.4 – 0.5 mm). The adjustment of gap should be done by Fd Wksps only.