

OPERATING INSTRUCTIONS

LUBRICATION:

Keep oil level to upper pet cock on left side of motor oil sump. Use oil of proper weight for season operating. Pressure gauge should indicate 15 pounds or more. Use grease gun on all fittings daily.

PUROLATOR:

Follow instructions on Purolator.

AIR CLEANER:

Follow instructions on cleaner. Clean filter ring three times daily.

BREATHER:

Clean breather following every 200 hours operation by removing screen in cover of cylinder head and washing horse-hair in gasoline. Replace screen and horse-hair after cleaning.

CAUTION:

Faithfully follow above instructions and you need change crankcase oil only every 100 hours.

CARBURETOR:

One full turn open, of the needle valve, is ordinary operating setting. For easy starting in cold weather open needle valve about  $\frac{1}{2}$  turn more readjusting when motor is thoroughly warmed up.

RADIATOR:

Keep radiator filled with clean soft water. If hard water is used always save and refill radiator with it.

VALVE TAPPETS:

Check valve tappet clearances while motor is hot; intake 10 thousandths, exhaust 12 thousandths.

MAGNETO:

Always retard spark lever when starting motor but keep spark advanced while motor is running. Oil magneto twice a week with two drops of sewing machine oil.

GOVERNOR:

Use motor oil in governor. Keep oil level to pet cock only.

CLUTCH:

To inspect or adjust clutch remove clutch inspection plate. Turn clutch to bring turnbuckle into view. Tighten clutch by turning turnbuckle towards left. Engage clutch by pulling clutch lever backward over center. Release by pushing lever forward. Brake on clutch shaft is applied by pushing clutch lever forward after disengaging clutch. Grease clutch shifter ring, inside clutch housing, once daily. If clutch lining becomes oily or greasy don't adjust clutch tighter to get results, but clean with gasoline and clean rag.

TRANSMISSION:

Fill transmission through large hole in top cover. Oil level for field work should be at bottom of cup on left side transmission case. For belt work add 2-1/4 gallons transmission oil, bringing level to top of cup. Add motor oil for winter running.

DRIVE GEARS:

Insert one pint heavy transmission oil and one pound hard cup grease to rear wheel drive gears every 3 days.

ALLIS-CHALMERS MANUFACTURING CO.

Tractor Division

Milwaukee, Wis., U. S. A.

O. I. #102