

Restoration of Ferguson TO-30

Serial Number: TO-88848

Year: 1952

Companies involved/people doing the work:

Engine Overhaul: Feekes Farm Center Peterson, IA Original Ferguson/Massey Ferguson dealer

Engine head overhaul: Arnold Motors Spencer, IA

Starter: Automotive Electrical Service Wichita, KS

Generator: Alternator and Starter Co, Inc. Wichita, KS

Wiring Harness: Agri Services Alden, NY

Battery cables custom made by Fleetpride in Wichita, KS

Good used original Ferguson parts: Feekes Farm Center, Kansas Tractor Salvage yards

Aftermarket parts: Steiner Tractor Lennon Michigan Walt's Tractor LLC Stark City Missouri

Sandblasting, body work, priming/painting, badge restoration: Don Feekes in his shop in Whitewater, KS

Finding used parts in salvage yards: Don Feekes

Comment: used original Ferguson parts wherever possible. Spent considerable time sourcing parts from salvage yards.

Work Done, new and used parts needed for restoration:

- 1 Engine completely overhauled, including new sleeves and pistons. Head refurbished.
- 2 New water pump
- 3 Starter was in good condition, but was cleaned and adjusted
- 4 Generator reworked
- 5 New points, condensor, rotor
- 6 New coil
- 7 New plug wires (made specific for the TO-30) and plugs
- 8 New battery and starter cables including long cable for proper grounding. All correct/larger size for 6 volt system
- 9 New wire harness made specifically for the Ferguson TO-30
- 10 New fan belt
- 11 Radiator replaced with good original used Ferguson radiator
- 12 New radiator cap and drain petcock.
- 13 New upper and lower radiator hoses
- 14 New battery
- 15 New key switch
- 16 Determined that original Ferguson Oil and amp gages worked good. Better quality than most aftermarket guages
- 17 New shifter boot and knob
- 18 Carburetor overhauled with new kit
- 19 Gas tank chemically cleaned and sealed eliminating rust problems
- 20 New sediment bowl
- 21 New engine oil and filter. Cleaned oil bath air cleaner and filled with oil
- 22 New transmission oil
- 23 New clutch plate
- 25 Steering box sealed with new gasket and filled to proper level with oil
- 26 New hoses on air cleaner including from dash to air cleaner special hose
- 27 New PTO shafter with larger (1-3/8") shaft for use with current implements
- 28 Front end spindles rebuilt by Feekes Farm Center
- 29 Located good straight radius rods and new rubber boots
- 30 Comment: Steering tight and works well
- 31 New exhaust pipe
- 32 3 pt arms completely updated: located good straight arms and proper brackets and chains.
- 33 Antisway brackets/pins under rear fenders.

Cosmetic restoration:

- 1 Completely disassembled tractor separating tin and major components.
- 2 Sandblasted each component to bare metal
- 3 Did any needed body work to hood and fenders
- 4 Sprayed primer surfacer on hood and sanded.
- 5 Sprayed PPG epoxy primer to all surfaces.
- 6 Sprayed 2 coats custom tinted Acrylic modified Alkyd enamel with hardener.
Hardener makes the paint resistant to oil and gas.
Color is Ferguson Gray and original for the TO-30
- 7 Rear rims painted silver as original
- 8 Starter, generator, distributor painted black as original
- 9 Refurbished original Ferguson name plate badges. "Ferguson" on Hood front and "Ferguson-30" on hood sides. Painted blue background with gray lettering as original.