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MANUAL PREVIEW

Massey Harris

Massey Ferguson

Operator's Manual

MF30D

Tractor Loader Backhoe

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MH-O-MF30D

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IMPORTANT DIESEL FUEL PRECAUTIONS

THE FUEL INJECTION EQUIPMENT IS DESIGNED FOR EFFICIENCY, DURABILITY AND LONG LIFE. HOWEVER, IT CAN BE SERIOUSLY DAMAGED BY WATER, SEDIMENT OR INCORRECT FUEL. THE EXTENT OF TROUBLE-FREE OPERATION AND THE ACTUAL LIFE OF THE COMPONENTS WILL DEPEND ON THE CARE GIVEN THE SYSTEM.

READ THE INFORMATION LISTED ON THIS PAGE THOROUGHLY AND ADOPT THE RECOMMENDED PRACTICES. ADHERENCE TO THESE PRACTICES WILL ASSURE ECONOMICAL, TROUBLE-FREE OPERATION AND SATISFACTION WITH A DIESEL TRACTOR.

1. Select a REPUTABLE SUPPLIER and buy only CLEAN diesel fuel which meets the REQUIRED SPECIFICATIONS.
2. Keep fuel clean by adhering to the following practices:
 - a. Store fuel in tanks equipped with a WATER TRAP. DRAIN TRAP REGULARLY. Do not store diesel fuel in galvanized tanks.
 - b. If it is necessary to store the fuel in drums, make sure they are free of WATER, GASOLINE AND SEDIMENT. Keep drums under cover away from direct sunlight and rain. Keep plugs in place and tight.
 - c. Once in place, avoid moving the tank or drum.
 - d. Do not use the last few gallons of fuel from the storage tank, as it is likely to contain water and sediment.
 - e. Handle fuel as little as possible. AVOID USING CANS AND FUNNELS TO TRANSFER FUEL, AS THEY ARE DIFFICULT TO KEEP CLEAN.
3. Fill Tractor fuel tank at the end of each day's operation to prevent condensation.
4. Replace the fuel filters at the recommended hourly intervals. DIRTY FUEL FILTERS WILL REDUCE POWER. Make sure to CAREFULLY CLEAN the outside of the filters before removing. USE ONLY GENUINE MF FILTER ELEMENTS.
5. If the injection pump, injectors or the fuel system should require adjustment or servicing, CALL THE MASSEY-FERGUSON DEALER. He has the special training and tools required to do the job properly.

IMPORTANT: DO NOT WASH A HOT ENGINE AS YOU MAY FOUL UP THE INJECTION PUMP.



Fuel tank fill point.

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TRACTOR

INSTRUMENTS AND CONTROLS

FIG. 1: In the engine coolant temperature gauge, 1, needle registers in the yellow area for cold, green area for normal operation and the red area for over-heating.

In the engine oil pressure gauge, 2, needle registers in the red area for low, green area for normal warm engine operation and yellow area during engine warmup.

Torque converter oil temperature warning light, 3, will come on when the oil becomes too hot for continued operation.

The tachometer, 4, contains an engine driven, engine speed indicator and an engine driven hour-meter. The engine speed indicator needle should be in the green area at all times while the engine is running and within the full range of the green area depending on throttle setting. If it does not go fully to the low side of the green area or, if it should go into the yellow area on the low side, refer to "Low Idle Adjustment" section of this manual. If it does not go fully to the high side of the green area or, if it should go into the yellow area on the high side, contact your MF Dealer.

The hand throttle lever, 5, is generally used to provide a constant engine speed when it is required. Pushing the lever forward increases engine speed and pulling it rearward decreases it.

The fuel level gauge, 6, indicates the level of the fuel in the fuel tank. The green area of the gauge is considered normal operating level. The yellow area is considered to be refueling time. The red area is considered to be imminent engine shutdown due to fuel starvation and, if engine shuts down for this reason, air-bleeding of the fuel system will be necessary before the engine can be restarted.

The voltmeter, 7, indicates the output voltage of the alternator and therefore, is only operating when the engine is running. Normally, the indicator needle should be in the green area. If the needle goes to the yellow area, it is indicating that the output voltage is low and may not be sufficient to maintain a charged battery. If the needle is in the red area, adjacent to the yellow, it is indicating that there is no voltage output and battery will soon go dead. If the needle is in the red area adjacent to the green, it is indicating that voltage output is too high and that the battery may overheat. If any abnormal voltmeter indication is seen, contact your MF Dealer immediately.



FIG. 1

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