Never operate the control levers when the engine is not running. This causes an air pocket above the piston and results in momentary drifting action.

If an air pocket should occur, the oil can be replaced by working the control lever until by-pass flutter is heard in full forward or full back position.

OPERATING INSTRUCTIONS

With the engine running, the operator should familiarize himself with the Revers-O-Matic transmission. He should make sure that the tractor will operate in all four speeds. Depending on the position of the Revers-O-Matic lever, all four gears become either forward or reverse gears.

The hydraulic levers, just to the right of the seat, operate all the functions of the lifting mechanism. The function of each individual lever is noted on the dashboard.

A rear wheel disconnect lever is conveniently located in the cab; 4-wheel drive is only used when ground conditions require it and must be disconnected at all other times.

A good loader operator is constantly on the alert to avoid wheel spinning as it causes excessive tire wear. Be especially alert when operating in 4-wheel drive.

CAUTION

The 4-wheel drive must not be engaged when machine is being driven over hard surfaces or at high speeds.

INSTRUCTIONS FOR OPERATION OF LULL 4-WHEEL DRIVE HIGH-LIFT LOADERS.

1. The rear wheel disconnect (the clutch that disconnects the rear axle propeller shaft from the front axle propeller shaft) must be disengaged at all times when the unit is being operated on hard and unyielding surfaces around the job site and also when being driven on the highways from job to job. This is very necessary because windup will develop in the drive line and the weakest point will break - usually the axle shaft. When one axle shaft is broken, is very likely the other shafts may have been weakened because of windup and could possibly fail in a short time. Again we caution - use Four Wheel Drive only when conditions are necessary - mud, snow, ice, soft sand and other yielding ground conditions.

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MAINTENANCE

This machine was checked and tested before shipment, but due to jolts and vibrations during shipment it should be rechecked upon delivery. A thorough inspection should be made of all nuts, bolts, and hose connections. Tighten where necessary. Check all parts for breakage, and check for oil leaks. Oil levels should be replenished if necessary, and should be maintained at check plug levels at all times.

Upon delivery, lubricate all points as shown on the lubrication chart, and follow the lubrication chart instructions thereafter.

Be certain that the tires are inflated properly. The left front tire should be inflated to 50 psi. while the right front tire should be inflated to 48 psi. The left front tire contains more air because of the extra weight on the left side due to the platform, controls and operator. The two rear tires should be inflated with air to 40 psi.

Special attention should be given to the hydraulic system. Its could result in danger to the load and to persons and property in the immediate area. Any oil leak should be repaired and all worn hoses should be replaced. It is essential that these parts are replaced with Lull Engineering Company parts, and no other.

CAUTION

DO NOT USE STANDARD HARDWARE STORE PIPES AND FITTINGS! VERY FEW HARDWARE STORES OR PLUMBERS STOCK EXTRA STRONG PIPES OR AAR FITTINGS.

How to fill the hydraulic tank and system: Fill the tank full of hydraulic oil, then have the operator raise and lower the hoist cylinders, fully extend and retract every cylinder on the entire system. This also includes the two steering cylinders. Turn them from extreme right to extreme left position and back to center. After all cylinders in the hydraulic system are full of oil, fill the supply tank to upper check level plug. Never run the machine with oil below the low level check plug in the supply tank.

Never run the engine unless the hydraulic tank and the complete hydraulic system is full of oil.

When hydraulic fluid is added to the system, always pour it thru a micron filter. Never filter the hydraulic fluid with cloth because lint particles may be added to the system. If a micron filter is not available, use a funnel with a fine wire screen (at least 200 mesh) inserted in the small end.

Be certain that the hydraulic fluid meets the specifications as listed in the lubrication chart.

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CAPACITIES



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C A U T I O N

INSTRUCTIONS FOR OPERATING LULL MODELS

7C2-31', 7C2-40', "400", AND 400-LS HIGH-LIFT LOADERS

1. Lower lift arm and mast when traveling with or without a load.
2. Keep work area clear of blocks, lumber, and other debris for safe operation.
3. Do not operate on side slopes with lift arms and mast raised.
4. Keep load limit within capacity of the machine.
5. When lifting on a down slope with front end lower, a lesser load should be lifted.
6. Keep hands, arms, etc. away from moving mechanisms.
7. Bring machine to a complete stop before changing direction of travel.
8. If the above instructions are not followed accidents incurred while operating these machines will not be the responsibility of the manufacturer.
9. ACCIDENTS ARE CAUSED BY CARELESS OPERATION OR FAILURE TO COMPLY WITH INSTRUCTIONS.

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