

LUBRICATION

Gear Lubricant

Tractors are shipped from the factory with SAE-90 oil in the transmission, steering gear, rear axle and belt pulley housings.

For all temperatures above 0°F., use SAE-90 transmission lubricant. For temperatures below 0°F., use the same transmission lubricant as for above 0°F., except to dilute with kerosene as follows: pour ½ U. S. pint of kerosene into the transmission case and ¼ U. S. pint of kerosene into each rear axle housing.

After the kerosene is put in these compartments, run the tractor until the mixture is thoroughly warm. Then drain to the level plugs. Replace the plugs.

Use a good grade of oil, free from solid materials. Use only high-quality lubricating oils and grease. For your own protection, select only oils and grease of recognized manufacture.

Keep your supply of lubricating oil absolutely clean and free from dust. Always use clean containers. Keep the lubricator clean and wipe dirt from grease fittings before applying lubricator.

Engine and Chassis Lubricant Specifications

| Point of Lubrication | Capacity | Above +80° F. | Above +32° F. to +80° F. | Below +32° F. |
|--|----------------|---------------|--------------------------|---------------|
| Engine Crankcase | 3 qts. | SAE-30 | SAE-20 | 10W |
| Air Cleaner Donaldson Type..... United Type..... | ½ pt. ¾ pt. | SAE-30 | SAE-20 | 10W |

| Point of Lubrication | Capacity | Anticipated Air Temperature | | |
|---|-------------------------|-----------------------------|------------------------|------------------------|
| | | Above +32° F. | +32° F. to +10° | Below +10° F. |
| Magneto Rotor Bearing..... Impulse Coupling..... | | SAE-30 * | SAE-20 * | 10W * |
| Battery Ignition Unit (tractors so equipped) Distributor and Drive Housing.. | | Chassis Lubricant | Chassis Lubricant | Chassis Lubricant |
| Cam Hole Felt (in distributor)... | | Light Engine Oil | Light Engine Oil | Light Engine Oil |
| Generator..... | | SAE-20 | SAE-20 | SAE-20 |
| Cranking Motor..... | | None | None | None |
| Transmission..... | 3½ pt. | SAE-90 | SAE-90 | SAE-90† |
| Rear Axle Housing..... | 1¾ pt. ea. | SAE-90 | SAE-90 | SAE-90† |
| Steering Gear..... | ¾ pt. | SAE-90 | SAE-90 | SAE-90 |
| Belt Pulley Housing..... | ½ pt. | SAE-90 | SAE-90 | SAE-90 |
| Touch-Control Reservoir (refill)... | 3½ pt. | IH Touch-Control Fluid | IH Touch-Control Fluid | IH Touch-Control Fluid |
| Grease Fittings††..... | | Chassis Lubricant | Chassis Lubricant | Chassis Lubricant |

*Impulse Coupling: Use a very light oil such as cream separator or sewing machine oil for all temperatures above +32° F. Use kerosene for temperatures below +32° F. Refer to page 31 for further information.

†Refer to "Gear Lubricant" (page 17) for diluting with kerosene in cold weather.

††Use pressure-gun grease (chassis lubricant) for fitting on which hand lubricator is applied, for all temperatures.