Lubrication Chart

KEY TO SINCLAIR LUBRICANTS

LCL Litholene or Litholene Moly or Opaline Chassis Lubricant
LS2 Litholene or Litholene Moly or Sinclairube No. 2
MM Motor Oil (see page 1)
MO Motor Oil (MM, MS, DG, DM, DS—see page 1)
MPX Opaline Multi-Purpose Gear Lubricant (AX—SAE 80, BX—SAE 90, CX—SAE 140)
MS Motor Oil (see page 1)

For lubricant type and grade, see "Lubricant Grades, Drain Intervals" below. Change lubricant depending on hours of operation or temperature.

LUBRICANT GRADES, DRAIN INTERVALS

CRANKCASE...........MM 100
For severe service, use MS
Below +32°, drain every 50 hours
Above +90°............SAE 30
Not lower than +32°...SAE 20
Below —10°...........SAE 10W
Below —10°...........SAE 5W
Oil Fill Cap Wash and reoil........MO 10

PULLEY HOUSING........MPX YEARLY
Above +32°...........BX
Below +32°...........AX
Remove unit and drain thru fill plug hole
Capacity approximately ½ quart

STEERING GEAR.........MPX
Above +32°...........BX
Below +32°...........AX
Serial No. 8N-1 to 8N-216988, 8N-452914 and up:
Fill to level plug
Serial No. 8N-216988 thru 8N-452913: Fill to screw hole level of cap screw, holding instrument panel support to right side of steering housing

TRANS., DIFF., and HYD. SYSTEM.....MPX 600
Above +32°...........BX
Below +32°...........AX
Remove 3 drain plugs

ADDITIONAL LUBRICATION SERVICE
FRONT WHEEL BEARINGS......LS2 600
Clean and repack

OIL FILTER Replace element
Every other crankcase drain

POWER TAKE-OFF ADAPTER.....LCL
Lubricate thru fitting every 10 hours of power take-off operation

PROOF-METER CABLE (if equipped).....LCL
When installing new cable coat lower ½ sparingly

REAR WHEEL BEARINGS.......LS2 1800
Clean and repack
Before Serial No. 245261, no lubrication

DO NOT LUBRICATE
Ball and Socket Joints, Clutch Pilot Bearing, Clutch Release Bearing, Fan, Governor, Linkage Pins, Starter, Steering Column, Water Pump

TABLE OF CAPACITIES

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CRANK-CASE Quarts</th>
<th>TRANS., DIFF., &amp; HYDRAULIC SYSTEM Quarts</th>
<th>COOLING SYSTEM Quarts</th>
<th>FUEL TANK Gallons</th>
</tr>
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<tbody>
<tr>
<td>8N</td>
<td>5</td>
<td>20</td>
<td>12</td>
<td>10</td>
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FOR DETAILED PROCEDURES, REFER TO "SERVICE INSTRUCTIONS" SECTION PRECEDING THE LUBRICATION CHARTS

Chart No. FD-3
Lubrication Chart

SERVICE AT EACH ARROW POINT
AT HOURLY INTERVAL SHOWN

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LUBRICATING POINTS

1. **Adjustable Front Axle**
   - Lubricate at front axle
   - Use a grease gun

2. **Row Crop and Single Wheel Front Axle 700, 701, 900, 901 Series**
   - Lubricate at each row crop and single wheel front axle
   - Use a grease gun

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KEY TO SINCLAIR LUBRICANTS

- **AF** Automatic Transmission Fluid Type A (Sulphur A)
- **DM** Motor Oil (see page 1)
- **DS** Motor Oil (see page 1)
- **LCL** Litholene or Litholene Moly or Opaline
- **Chassis Lubricant**
- **LS2** Litholene or Litholene Moly or Sinolube No. 2
- **MM** Motor Oil (see page 1)
- **MO** Motor Oil (MM, MS, SG, SM, DS - see page 1)
- **MPX** Opaline Multi-Purpose Gear Lubricant
  - AX - SAE 80, BX - SAE 90, CX - SAE 140
- **MS** Motor Oil (see page 1)
- **S1** Motor Oil (see page 1)
- **S3** Motor Oil (see page 1)

HY: Special Hydraulic Oil (Ford M-241)

For lubricant type and grade, see "Lubricant Grades, Drain Intervals" below. Change lubricant depending on hours of operation or temperature.

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LUBRICANT GRADERS, DRAIN INTERVALS

<table>
<thead>
<tr>
<th>CRANKCASE</th>
<th>Lb/Hr</th>
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<tbody>
<tr>
<td>Diesel engine</td>
<td>DM-S1 100</td>
</tr>
<tr>
<td>DS-S3</td>
<td>Suitable for all operations but are recommended under conditions of high air temperatures, intermittent operation at low temperatures or high sulfur fuels</td>
</tr>
<tr>
<td>Above +55</td>
<td>SAE 20</td>
</tr>
<tr>
<td>Not lower than +20</td>
<td>SAE 20/20W</td>
</tr>
<tr>
<td>Below +20</td>
<td>SAE 10W</td>
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<table>
<thead>
<tr>
<th>Gasoline engine</th>
<th>MM 100</th>
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</thead>
<tbody>
<tr>
<td>LP-Gas engine</td>
<td>MM 200</td>
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</tbody>
</table>

For severe service, use MS
| Above +60 | SAE 20 |
| Not lower than +32 | SAE 10W |
| Below +10 | SAE 5W |

*Use next grade heavier after first year's operation

- Oil Fill Cap and drain, ex. diesel, MO 10
- Breather Wash and refill, MO 10
- Located on rocker arm cover

DIFFERENTIAL
- AX, MPX 600
- MPX 600
- MPX 600
- MPX 600
- MPX 600

HYDRAULIC SYSTEM
- AX, MPX 600
- MPX 600
- MPX 600

PEDESTAL
- AX, MPX 600
- MPX 600
- MPX 600
- MPX 600

PULLEY HOUSING
- MPX YEARLY

- Above +32, EX below +32, AX

- Remove unit and drain thru fill plug hole
- Capacity approximately ¼ quart

STEERING GEAR
- Above +32, EX below +32, AX

TRANSMISSION 4-speed and 5-speed
- MPX 600
- MPX 600
- MPX 600
- MPX 600
- MPX 600

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ADDITIONAL LUBRICATION SERVICE

**FOUR WHEEL DRIVES,** Clean and repack...LS2 600

FUEL FILTER
- Diesel: Replace element...400
- Gas or Diesel: 6 months. Open cock daily to drain water
- LP-Gas Clean...300

OIL FILTER
- Replace element
- Every other crankcase drain

POWER TAKE-OFF ADAPTER (if equipped) LCL 10
- Lubricate every 10 hours of power take-off operation
- PROOF-METER CABLE (if equipped) LCL 10

When installing new cable coat lower ⅜ spindles

REAR WHEEL BEARINGS
- NON-REMOVABLE BEARINGS

**STEERING SHAFTユニバース** JOINT 501 SERIES LCL 100
- DO NOT LUBRICATION

- Ball and socket joints, clutch pilot bearing, clutch release lever, fan, governor, injection pump (diesel), linkage pins, starter, steering column, water pump

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TABLE OF CAPACITIES

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CRANKCASE</th>
<th>TRANSMISSION</th>
<th>DIFFERENTIAL</th>
<th>FINAL DRIVE</th>
<th>HYDRAULIC</th>
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</tbody>
</table>

*Series 501 only

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FOR DETAILED PROCEDURES, REFER TO SERVICE INSTRUCTIONS SECTION PRECEDING THE LUBRICATION CHARTS

FORD • MODEL NAA; SERIES 501, 600, 601, 700, 701, 800, 801, 900, 901

Chart No. FD-4

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