



Lubrication Chart

**SERVICE AT EACH ARROW POINT
AT HOURLY INTERVAL SHOWN**

CAUTION: Lubricate Dotted Arrow Points on Both Sides of Tractor

KEY TO SINCLAIR LUBRICANTS

- LCL** Litholine or Litholine Moly or Opaline Chassis Lubricant
- LS2** Litholine or Litholine Moly or Sincolube 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 |
| Not lower than -10° | SAE 10W |
| Below -10° | SAE 5W |
| Oil Fill Cap Wash and reoil | MO 10 |

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

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|--|------------|
| 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-216989 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

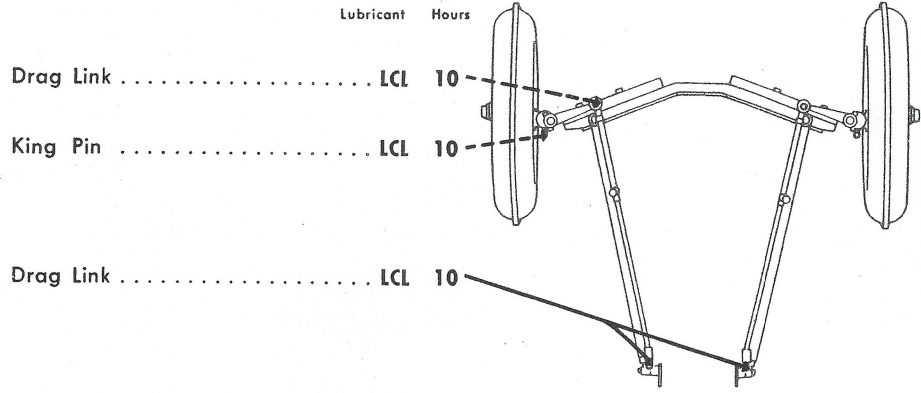
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| POWER TAKE-OFF ADAPTER | LCL 10 |
| Lubricate thru fitting every 10 hours of power take-off operation | |

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|---|------------|
| PROOF-METER CABLE (if equipped) | LCL |
| When installing new cable coat lower 2/3 springly | |

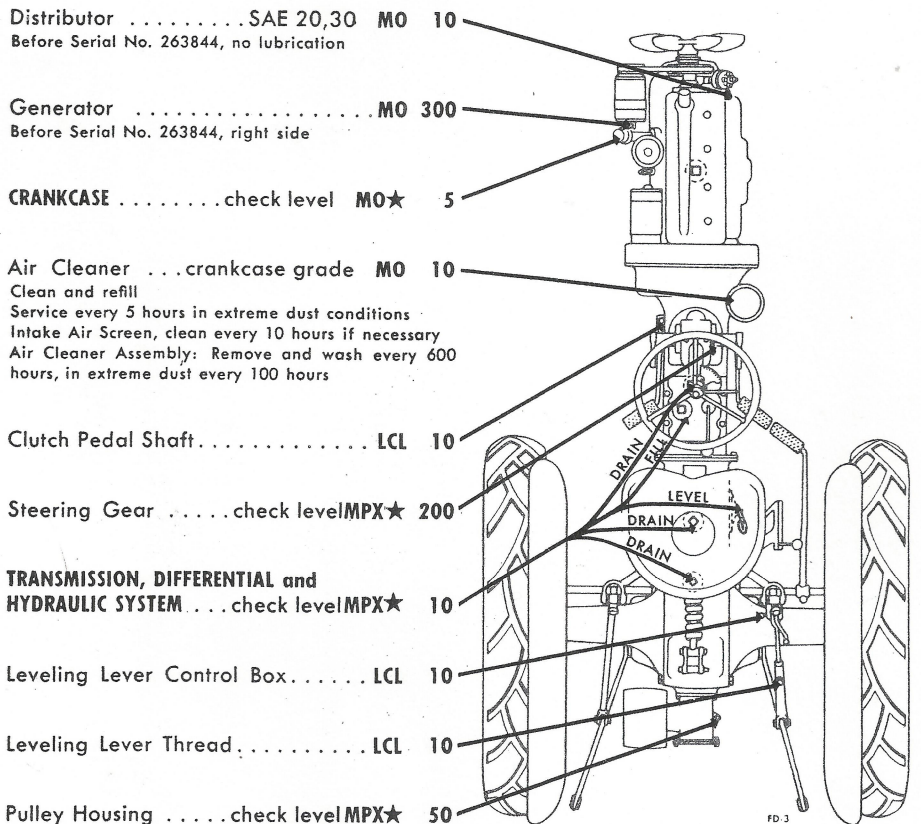
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| REAR WHEEL BEARINGS | LS2 1800 |
| Clean and repack | |
| Before Serial No. 245261, no lubrication | |

DO NOT LUBRICATE

Ball and Socket Joints, Clutch Pilot Bearing, Clutch Release Bearing, Fan, Governor, Linkage Pins, Starter, Steering Column, Water Pump



ADJUSTABLE FRONT AXLE



- | | |
|--|-----------------------------|
| Distributor | SAE 20,30 MO 10 |
| Before Serial No. 263844, no lubrication | |
| Generator | MO 300 |
| Before Serial No. 263844, right side | |
| CRANKCASE | check level MO★ 5 |
| Air Cleaner ... crankcase grade | MO 10 |
| Clean and refill
Service every 5 hours in extreme dust conditions
Intake Air Screen, clean every 10 hours if necessary
Air Cleaner Assembly: Remove and wash every 600 hours, in extreme dust every 100 hours | |
| Clutch Pedal Shaft | LCL 10 |
| Steering Gear | check level MPX★ 200 |
| TRANSMISSION, DIFFERENTIAL and HYDRAULIC SYSTEM | check level MPX★ 10 |
| Leveling Lever Control Box | LCL 10 |
| Leveling Lever Thread | LCL 10 |
| Pulley Housing | check level MPX★ 50 |

TABLE OF CAPACITIES

MODEL	CRANK-CASE Quarts	TRANS., DIFF., & HYDRAULIC SYSTEM Quarts	COOLING SYSTEM Quarts	FUEL TANK Gallons
8N	5	20	12	10

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

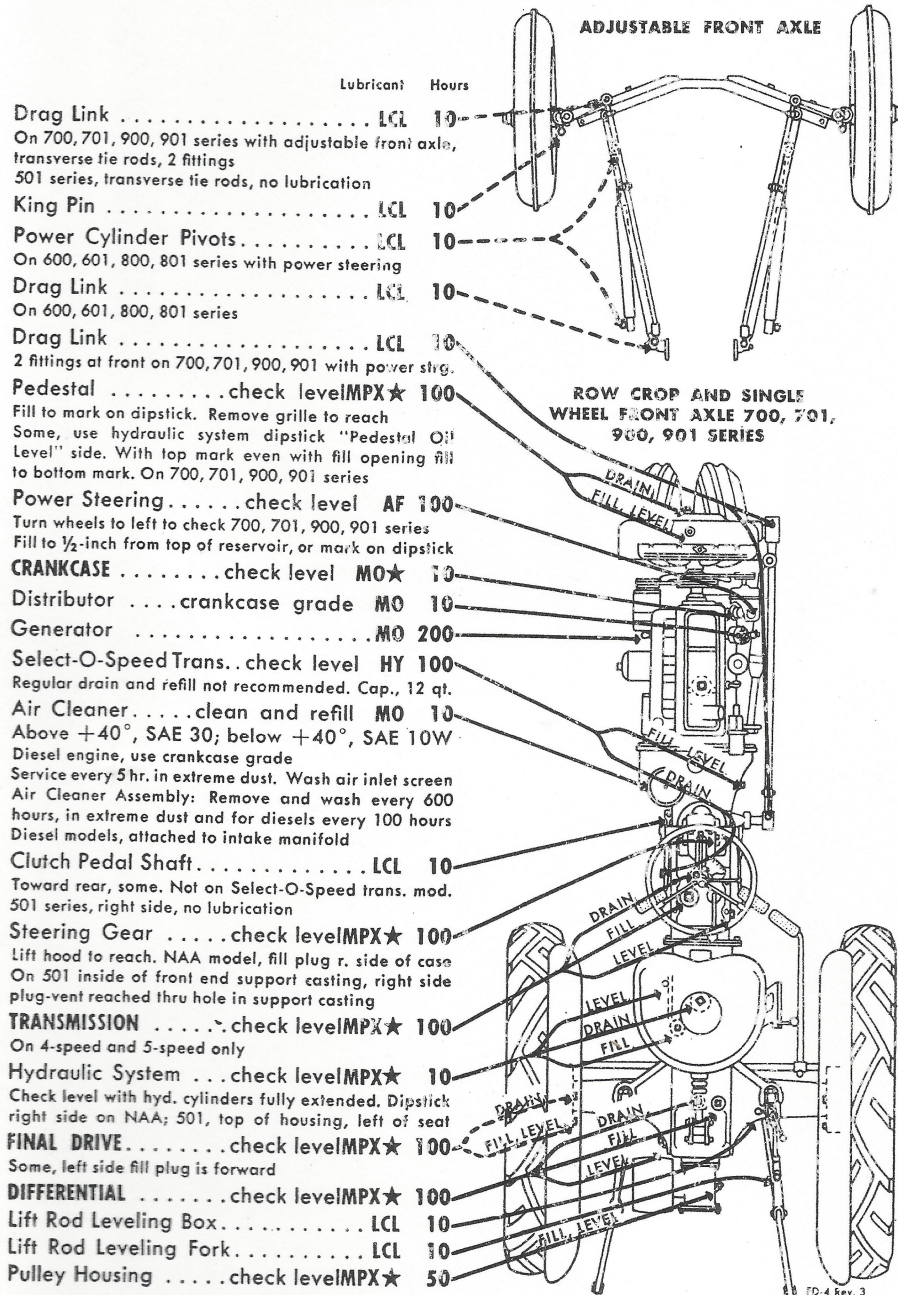
FORD • MODEL 8N



Lubrication Chart

**SERVICE AT EACH ARROW POINT
AT HOURLY INTERVAL SHOWN**

CAUTION: Lubricate Dotted Arrow Points on Both Sides of Tractor



- Drag Link** LCL 10
On 700, 701, 900, 901 series with adjustable front axle, transverse tie rods, 2 fittings
501 series, transverse tie rods, no lubrication
- King Pin** LCL 10
- Power Cylinder Pivots** LCL 10
On 600, 601, 800, 801 series with power steering
- Drag Link** LCL 10
On 600, 601, 800, 801 series
- Drag Link** LCL 10
2 fittings at front on 700, 701, 900, 901 with power strg.
- Pedestal** check level MPX★ 100
Fill to mark on dipstick. Remove grille to reach
Some, use hydraulic system dipstick "Pedestal Oil Level" side. With top mark even with fill opening fill to bottom mark. On 700, 701, 900, 901 series
- Power Steering** check level AF 100
Turn wheels to left to check 700, 701, 900, 901 series
Fill to ½-inch from top of reservoir, or mark on dipstick
- CRANKCASE** check level MO★ 10
- Distributor** crankcase grade MO 10
- Generator** MO 200
- Select-O-Speed Trans.** check level HY 100
Regular drain and refill not recommended. Cap., 12 qt.
- Air Cleaner** clean and refill MO 10
Above +40°, SAE 30; below +40°, SAE 10W
Diesel engine, use crankcase grade
Service every 5 hr. in extreme dust. Wash air inlet screen
Air Cleaner Assembly: Remove and wash every 600 hours, in extreme dust and for diesels every 100 hours
Diesel models, attached to intake manifold
- Clutch Pedal Shaft** LCL 10
Toward rear, some. Not on Select-O-Speed trans. mod.
501 series, right side, no lubrication
- Steering Gear** check level MPX★ 100
Lift hood to reach. NAA model, fill plug r. side of case
On 501 inside of front end support casting, right side plug-vent reached thru hole in support casting
- TRANSMISSION** check level MPX★ 100
On 4-speed and 5-speed only
- Hydraulic System** ... check level MPX★ 10
Check level with hyd. cylinders fully extended. Dipstick right side on NAA; 501, top of housing, left of seat
- FINAL DRIVE** check level MPX★ 100
Some, left side fill plug is forward
- DIFFERENTIAL** check level MPX★ 100
- Lift Rod Leveling Box** LCL 10
- Lift Rod Leveling Fork** LCL 10
- Pulley Housing** check level MPX★ 50

TABLE OF CAPACITIES

MODEL Series	CRANK-CASE Quarts	TRANSMISSION 4-Speed Quarts	5-Speed Quarts	DIFFERENTIAL Quarts	FINAL DRIVE Quarts	HYDRAULIC SYSTEM Quarts	COOLING SYSTEM Quarts	FUEL TANK Gallons
NAA	5	5	...	8	...	8	15	11
501, 600, 601	4	6	8	8	1 ½ each*	8	15	11*
700, 701	4	6	...	8	1 ½ each	8	15	14*
800, 801	4	6	8	11 ½	...	8	15	14*
900, 901	4	6	3	8	1 ½ each	8	15	14*

*Series 501 only

•Series 501, 901, 701, 13 gallons; 801, 901, 17 gallons; LP-Gas, 80 per cent full, 19.2 gallons

KEY TO SINCLAIR LUBRICANTS

- AF** Automatic Transmission Fluid (Type A, Suffix A)
DM Motor Oil (see page 1)
DS Motor Oil (see page 1)
LCL Litholine or Litholine Moly or Opaline Chassis Lubricant
LS2 Litholine or Litholine Moly or Sincolube 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)
S1 Motor Oil (see page 1)
S3 Motor Oil (see page 1)

HY Special Hydraulic Oil (Ford M-2C41)

★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** Lub. Hr.
Diesel engine DM-S1 100
 DS-S3 series for all operations but are recommended under conditions of high air temperatures, intermittent operation at low temperatures or high sulfur fuels
 Above +55° SAE 30
 Not lower than +20° SAE 20, 20W
 Below +20° SAE 10W
Gasoline engine MM 100
LP-Gas engine MM 200
 For severe service, use MS
 Above +90° SAE 20*
 Not lower than +32° SAE 10W*
 Not lower than -10° SAE 10W
 Below -10° SAE 5W
 *Use next grade heavier after first year's operation
- Oil Fill Cap** Wash and reoil, ex. diesel. MO 10
Breather Wash and reoil. MO 10
 Located on rocker arm cover
- DIFFERENTIAL** AX MPX 600
FINAL DRIVE AX MPX 600
HYDRAULIC SYSTEM AX MPX 600
PEDESTAL AX MPX 600
 Capacity 2 quarts. On row crop models
PULLEY HOUSING MPX YEARLY
 Above +32°, EX; below +32°, AX
 Remove unit and drain thru fill plug hole
 Capacity approximately ½ quart
- STEERING GEAR** MPX
 Above +32°, EX; below +32°, AX
- TRANSMISSION 4- and 5-Speed** MPX 600
 All temperatures AX

ADDITIONAL LUBRICATION SERVICE

- FRONT WHEEL BRGS.** Clean and repack. LS2 600
FUEL FILTER
 Diesel Replace element 400
 Every 400 hr. or 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
 When installing new cable coat lower ¾ sparingly
REAR WHEEL BEARINGS LS2 1800
 Clean and repack on Model NAA. Others, no lub.
STEERING SHAFT UNIV. JOINT 501 Series LCL 100
DO NOT LUBRICATE

Ball and Socket Joints, Clutch Pilot Bearing, Clutch Release Brg., Fan, Governor, Injection Pump (Diesel), Linkage Pins, Starter, Steering Column, Water Pump

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