

TECHNICAL TIPS

CRANES

Type of Tip:

POL & Maintenance Schedule

Necessary Tools:

None Required

Applicable Models:

RT600 Series

My Terex
CRANES

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Basic Safety Rules



Danger

Failure to follow the instructions and safety rules in the Operator's Manual and Service Manual appropriate to your machine will result in death or serious injury. Many of the risks identified in the operator's manual are also safety risks when maintenance and repair procedures are performed.

Do not perform maintenance unless:

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
 - The manufacturer's instructions and safety rules
 - Employer safety rules and workplace regulations
 - Applicable government regulations

- You have the appropriate tools, lifting equipment and a suitable location.

The information contained in this technical tip is a supplement to the service manual. Consult the appropriate service manual for your machine for safety rules and risks.

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POL Maintenance Schedule

| DAILY (8 HOURS) WEEKLY (40 HOURS) TWO WEEKS (80 - 100 HOURS) ONE MONTH (100 - 200 HOURS) THREE MONTHS (500 HOURS) SIX MONTHS (1000 HOURS) YEARLY (1500 - 2000 HOURS) | | | | | | REF | DESCRIPTION | QUANTITY | NO. | LUBRICANT |
|--|----------------|--------------|-----|-----|-----|-----|------------------------------------|---|-----|---|
| LUB | | | | | | 1 | STEERING TRUNNION BEARINGS | PURGE | 8 | MPG |
| | INITIAL D/R | CHK | | | D/R | 2 | AXLE HUB DRIVE | FILL PLUG LEVEL | 4 | GL-5 |
| LUB | | | | | | 3 | TIE ROD ENDS | PURGE | 4 | MPG |
| | INITIAL D/R | | CHK | D/R | | 4 | WINCH | APPR. 2 GAL | 2 | AGMA 4EP |
| | | LUB | | | | 5 | DRIVE SHAFTS (TRANS. - AXLES) | PURGE | 6 | MPG |
| LUB | | | | | | 6 | STEERING CYLINDER PINS | PURGE | 4 | MPG |
| | INITIAL D/R | CHK | | | D/R | 7 | AXLE DIFFERENTIALS | FILL PLUG LEVEL | 2 | GL-5 |
| LUB | | | | | | 8 | AXLE PIVOT & CYLINDERS | PURGE | 6 | MPG |
| CHK | P | | | | | 9 | CUMMINS QSB 5.9 | 14 QT + 1 QT FILTER | 1 | CONSULT ENGINE MANUFACTURER'S MANUAL |
| CHK | | | | | D/R | 10 | COOLING SYSTEM CAPACITY | 48 QT | 1 | ETHYLENE GLYCOL SAE JBT46 MIXTURE: 50% BSG/50% WATER |
| CHK | INITIAL ☐ | | | ☐ | D/R | 11 | HYDRAULIC RESERVOIR | 116 GAL RESERVOIR 165 GAL SYSTEM | 1 | HYD. OIL-KOCHRING SPEC #805 REFER TO OPERATOR'S MANUAL FOR COMPLETE LISTING OF RECOMMENDED OILS FOR APPLICABLE TEMPERATURE RANGES, DRAIN & REFILL PROCEDURES. |
| LUB | | | | | | 12 | TURNTABLE GEAR PINNION | 20 SHOTS | 2 | GG |
| | LUB | | | | | 13 | TURNTABLE GEAR RACE | AS REQ'D | 2 | MPG BELOW 32°F: EP-1 ABOVE 32°F: EP-2 |
| CHK | | | | | D/R | 14 | SWING REDUCTION UNIT | 11.5 PT. | 1 | AGMA 4EP |
| LUB | | | | | | 15 | BOOM CYLINDER BUSHINGS | PURGE | 4* | MPG |
| CHK | P | INITIAL ☐ | | ☐ | D/R | 16 | TRANSMISSION & TORQUE CONVERTER | APPR. 4 GAL | 2 | CONSULT TRANSMISSION MANUFACTURER'S MANUAL |
| LUB | | | | | | 17 | BOOM PIVOT PIN | PURGE | 2 | MPG |
| LUB | | | | | | 18 | BOOM TIP SHEAVES | PURGE | 7 | MPG |
| LUB | | | | | | 19 | CHAIN ROLLER | PURGE | 4 | MPG |
| | CHK | | | | | 20 | BOOM EXTEND RETRACT CHAIN | AS REQ'D | 4 | ENGINE OIL SAE30 W |
| LUB | | | | | | 21 | HOOK BLOCK SHEAVES | PURGE | 5 | MPG |
| LUB | | | | | | 22 | HOOK BLOCK TRUNNION | PURGE | 1 | MPG |
| LUB | | | | | | 23 | JIB SHEAVE | PURGE | 1 | MPG |
| LUB | | | | | | 24 | JIB STINGER ROLLERS | PURGE | 4 | MPG |
| LUB | | | | | | 25 | BOOM SLIDE PADS (A,B,C,D) * | AS REQ'D | 24 | MPG |
| D | | | | | | 26 | FUEL-WATER SEPERATOR | | 1 | |
| | | | | CHK | | 27 | BRAKE RESERVOIR | 0.6 PT. | 1 | SAE J1703 BRAKE FLUID |
| | | | | | LUB | 28 | BRAKE AIR BOOSTER | 1 OZ. | 1 | ENGINE OIL SAE 15 W THRU PLUG IN CRANKER END COVER |
| LUB | | | | | | 29 | WINCH CABLE ROLLERS | PURGE | 2 | MPG |
| | | | | | | 30 | | | | |

TABLE 1

LEGEND: P...DIPSTICK
 CHK...CHECK
 LUB...LUBRICATE
 ☐...CHANGE FILTER
 D/R...DRAIN & REFILL
 D...DRAIN

*REFER TO OPERATORS MANUAL

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Lubrication Table

TABLE 2

SPECIFIED LUBRICANTS

| | | | |
|----------|----------------------|------------------------|--|
| MPG | MULTI-PURPOSE GREASE | EP-2 | *Refer to Operator's Manual for complete listing of recommended oils for applicable temperature ranges, and for drain & refill procedures. |
| GG | OPEN GEAR GREASE | Grade 8 | |
| GL-5 | GEAR LUBRICANT, EP | SAE EP 80W90 | |
| AGMA 4EP | GEAR LUBRICANT, EP | * | |
| HO | HYDRAULIC OIL | *Koehring Spec. 805 | |
| EO | ENGINE OIL | A.P.I. Class as Listed | |
| AT | TRANSMISSION FLUID | Type J20 C,D | |