

TECHNICAL TIPS

CRANES

Type of Tip:

POL & Maintenance Schedule

Necessary Tools:

None Required

Applicable Models:

RT700 Series

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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

TABLE 1

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

*REFER TO OPERATORS MANUAL

						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 J1148 MIXTURE: 50% BASE/50% WATER
CHK		INITIAL <input type="checkbox"/>		<input type="checkbox"/>	D/R		11 HYDRAULIC RESERVOIR	178 GAL RESERVOIR 250 GAL SYSTEM	1	HYD. OIL-KNOCKING SPEC ABOS REFER TO OPERATOR'S MANUAL FOR COMPLETE LISTING OF RECOMMENDED OILS FOR APPLICABLE TEMPERATURE RANGES, DRAIN & REFILL PROCEDURES.
	LUB						12 TURNTABLE GEAR FINNION	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		INITIAL <input type="checkbox"/>		<input type="checkbox"/>	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 J-1703 BRAKE FLUID
					LUB		28 BRAKE AIR BOOSTER	1 OZ.	1	ENGINE OIL SAE 10 W THRU PLUG IN CYLINDER END COVER
	LUB						29 WINCH CABLE ROLLER	PURGE	2	MPG
							30			

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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	