

TECHNICAL TIPS

CRANES

Type of Tip:

POL & Maintenance Schedule

Necessary Tools:

None Required

Applicable Models:

RT500 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

DAILY (8 HOURS) WEEKLY (48 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 J6146 Mixture: 50% Base/50% Water
CHK	INITIAL				D/R	11	HYDRAULIC RESERVOIR	1.12 GAL RESERVOIR 160 GAL SYSTEM	1	HYD. OIL-KOEBRING 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 FT.	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	HOCK BLOCK SHEAVES	PURGE	5	MPG
	LUB					22	HOCK 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
0						26	FUEL-WATER SEPERATOR		1	
					CHK	27	BRAKE RESERVOIR	0.6 FT.	1	SAE J1703 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 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	