

TECHNICAL TIPS

CRANES

Type of Tip:

POL & Maintenance Schedule

Necessary Tools:

None Required

Applicable Models:

RT1120 Series

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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

TABLE 1

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

							REF	DESCRIPTION	QUANTITY	NO.	LUBRICANT
CHK	P						1	CUMMINS QSC 8.3	25 QT. W/FILTER	1	CONSULT ENGINE MANUFACTURER'S MANUAL
CHK						D/R	2	COOLING SYSTEM-CUMMINS	86 QT.	1	ETHYLENE GLYCOL SAE J8148 MIXTURE: 50% BASE/50% WATER
D							3	FUEL-WATER SEPARATOR		1	
CHK	P	INITIAL 				D/R	4	TRANSMISSION	20.5 QT.	1	CONSULT TRANSMISSION MANUFACTURER'S MANUAL
	LUB						5	HOOK BLOCK SHEAVES	PURGE	2/3/4	WPG
CHK	INITIAL 					D/R	6	HYDRAULIC RESERVOIR	304 GAL. RESERVOIR 360 GAL. SYSTEM	1	HYD.OIL-KOEHRING SPEC.#805 REFER TO OPERATOR'S MANUAL FOR COMPLETE LISTING OF RECOMMENDED OILS FOR APPLICABLE TEMPERATURE RANGES. DRAIN & REFILL PROCEDURES.
					CHK		7	BRAKE RESERVOIR	0.6 PT.	1	SAE J-1703 BRAKE FLUID
					LUB		8	BRAKE AIR BOOSTER	1 OZ.	1	ENGINE OIL SAE 10 W THRU PLUG IN CYLINDER END COVER
	LUB						9	BOOM CYLINDER BUSHINGS	PURGE	2	WPG
		LUB					10	TURNTABLE GEAR, RACE	AS REQ'D	1	WPG BELOW 32°F: EP-1 ABOVE 32°F: EP-2 SWING UPPER UNIT WHILE OILING. CONSULT OPERATOR'S MANUAL.
	LUB						11	TURNTABLE GEAR, PINION	20 SHOTS	1	GC
CHK					D/R		12	SWING REDUCTION UNIT	7.5 PT.	1	SYNTHETIC GL-5
	INITIAL D/R			CHK	D/R		13	WINCH	44 PT.	1	SYNTHETIC GL-5
	LUB						14	BOOM PIVOT PIN	PURGE	2	WPG
	LUB						15	HOOK BLOCK TRUNNION	PURGE	1	WPG
	LUB						16	STEERING TRUNNION BEARINGS	PURGE	4	WPG
	LUB						17	BOOM SLIDE PADS	AS REQ'D	8	BERULLUB PAL 1, WHITE
	INITIAL D/R	CHK			D/R		18	AXLE HUB DRIVE	LEVEL TO FILL PLUG	4	GL-5
	LUB						19	BOOM TIP SHAFT	PURGE	1	WPG
					LUB		20	DRIVE SHAFT-REAR AXLE	PURGE	2	WPG
					LUB		21	DRIVE SHAFT-FRONT AXLE	PURGE	3	WPG
	INITIAL D/R	CHK			D/R		22	AXLE DIFFERENTIAL	LEVEL TO FILL PLUG	2	GL-5
	LUB						23	STEER CYLINDER PINS	PURGE	8	WPG
	LUB						24	AXLE PIVOT & CYLINDERS	PURGE	5	WPG
	LUB						25	COUNTERWEIGHT REMOVAL CYLINDERS	PURGE	2	WPG

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Lubrication Table

TABLE 2

SPECIFIED LUBRICANTS		
MPG	MULTI-PURPOSE GREASE	EP-2
GG	OPEN GEAR GREASE	Grade 8
GL-5	GEAR LUBRICANT, EP	SAE EP 80W90
SYNTHETIC GL-5	GEAR LUBRICANT, EP	SAE 75W90
HO	HYDRAULIC OIL	*Koehring Spec. 805
EO	ENGINE OIL	A.P.I. Class as Listed
TF	TRANSMISSION FLUID	J20C,D
<p>*REFER TO OPERATOR'S MANUAL FOR COMPLETE LISTING OF RECOMMENDED OILS FOR APPLICABLE TEMPERATURE RANGES AND FOR DRAIN/REFILL PROCEDURES.</p>		