



**LUBRICATION SCHEDULE**

FREQUENCY	CHECK POINT	TYPE	PROCEDURE
DAILY	A	Multi-purpose Grease*	Two Fittings (Left Pawl)
	B	Multi-purpose Grease*	Two Fittings (Right Pawl)
	C	AGMA EP Gear Lubricant**	Check fluid level while stationary
SIX MONTHS	D	AGMA EP Gear Lubricant***	Change Oil - one drain plug in the pinion housing and one plug at the bottom of the main housing.

**SURROUNDING AIR TEMPERATURE LUBRICANT SELECTION**

\*Sodium Base Multi-purpose Grease:

Below 32° F. (0° C.) - NLGI #1  
 Above 32° F. (0° C.) - NLGI #2

\*\*Gear oil with Rust Inhibitor:

Below 60° F. (16° C.) - AGMA Mild EP-4  
 Above 50° F. (10° C.) - AGMA Mild EP-5

\*\*\*Oil Capacities:

C-175-S	5.0 US Gal.	(19 Liters)
C-175-L	5.5 US Gal.	(21 Liters)
C-205	7.5 US Gal.	(28 Liters)
C-275	8.0 US Gal.	(30 Liters)
C-375	7.0 US Gal.	(26.5 Liters)
D-375	8.0 US Gal.	(30 Liters)
C-495	17.0 US Gal.	(64 Liters)
D-495	19.0 US Gal.	(72 Liters)



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**OPERATING MAINTENANCE**

FREQUENCY	CHECK POINT	PROCEDURE
MONTHLY	①	Lift cover and remove excessive mud build-up around table rim and lock pawls.
	②	Inspect bore and master bushing for damage or excessive wear affecting fit.

**PRECAUTIONARY MEASURES**

Never operate a rotary that is contaminated with mud or water.

After a blow-out or kick, check sump for contamination.

Extensive oil consumption may indicate a need to replace the oil seal at the end of the pinion shaft housing.

Proper grounding procedures should be taken if welding on rotary tables to avoid arcing across bearings.

Do not engage lock pawls while rotary is in motion.

Do not drive bushings into place by sledging.

Excess wear between split master bushing and table will result in insufficient support for bushing and slips.

The following are maximum recommended static loads and zero (0) load operating speeds:

C-175	250 Tons	500 RPM
C-205	350 Tons	400 RPM
C-275	500 Tons	350 RPM
C/D-375	650 Tons	350 RPM
C/D-495	800 Tons	300 RPM



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