

	Document Name	Date	Rev.	Page	Bulletin
	LUBRICATION INSTRUCTIONS FOR WORM-GEAR MACHINES	9/27/22	E	1 of 2	1150

IMPORTANT - READ CAREFULLY

NEW MACHINES

1. Machine lubricant has been factory pre-filled. Checking the level of worm-gear lubricant may be done by removing Cap "A". The oil should be at the top or within 1/4" of the top of the oil level tube.
2. The tapered roller bearings on the main shaft at the gear and at the traction sheave are factory packed, and will require no additional lubrication for approximately (1) year.
3. The direct current brake requires no lubrication under normal environmental conditions.
4. Refer to separate motor oiling instructions enclosed or packed with the motor.

ADDITION OF LUBRICANT TO EXISTING MACHINES

1. Annual checks of worm-gear lubricant through the Upper and Lower Inspection Covers and checks of the lubricant level are required. Replacement of worm and gear lubricant should occur every three (3) years for normal duty, and as often as semiyearly or yearly for severe duty.
2. Hollister-Whitney supplies machines with Mobil SHC 636 mineral based synthetic lubricant. Glycol based lubricants are NOT recommended as they are not compatible with Non-Glycol Synthetics or Mineral Based Lubricants.
3. Each tapered roller bearing will require a yearly addition of two (2) to three (3) ounces of EXXON POLYREX EP2. Remove pressure Relief Plug "B". Insert lubrication at Grease Zerk fittings "C" and "D". Zerk "D" is inside the upper housing and should line up with Relief Plug "B". Rotate traction wheel to line up Plug "B" and access Zerk "D" through the Upper Inspection Cover. When lubrication is complete Re-install Plug "B".

APPROXIMATE AMOUNTS OF LUBRICANT TO INITIALLY FILL EACH SIZE MACHINE

Machine Size	Worm Gear Lubricant	Bearing Lubricant Gear End	Bearing Lubricant Traction Sheave End
#34	3/4 Gallon	1 oz.	3 oz.
#43 / #44	1 Gallon	2 oz.	5 oz.
#53 / #54	1 1/2 Gallon	5 oz.	12 oz.
#63 / #64	2 Gallon	11 oz.	21 oz.
#74	4 Gallon	20 oz.	35 oz.

Note: More Machine Oil than necessary is provided by the above chart. It is important to fill slowly, allow the oil to level out and to monitor the oil level tube. Do not overfill the gearbox.

GEARBOX CLEANOUT PROCEDURES: If the worm and gear seem to be heavily varnished, or if contaminants are present, or if changing from one gear oil to another, it is recommended a gearbox cleanout procedure be considered. Gearbox Cleanout Procedures, Bulletin #1152, for Legacy H-W machines #34, #43/44/44F, #53/54, #63/64, or #74 can be found at the Support section of the Hollister-Whitney website: <https://www.hollisterwhitney.com/support/>



Document Name	Date	Rev.	Page	Bulletin
LUBRICATION INSTRUCTIONS FOR WORM-GEAR MACHINES	9/27/22	E	2 of 2	1150

