IPTS BLUE LINE OPERATING INSTUCTIONS

Lubrication

IPTS gear reducers are pre-filled with lubricant unless specified otherwise at the time of purchase. In applications where a breather is preferred by the customer, breather must be installed on the uppermost surface of the gear reducer housing prior to operating.

IPTS recommends the oil fill be checked prior to operating the reducer. The proper level is to the center of the oil level plug or 60% inside the housing. Each IPTS Blue Line reducer is filled with Enduratex EP 460 synthetic oil for 5°F to 225°F (-15 to 107 C) extreme temperatures.

Higher than normal operating temperatures may develop during an initial break-in period of 250 hours of operation. The surface temperature may reach 225°F (107 C) or higher. For maximum life expectancy, do not allow reducer to operate continuously over 225°F (107 C) after the initial break-in period.

OIL CAPACITY (Fluid Ounces)	
#030 = 2 oz.	#110: worm over = 100 oz., worm under = 75 oz.
#040 = 3 oz.	#110: output vertical = 85 oz., input vertical = 100 oz.
#050 = 5 oz.	#130: worm over = 155 oz., worm under = 115 oz.
#063 = 10 oz.	#130: output vertical = 120 oz., worm under = 173 oz.
#075 = 20 oz.	#150: worm over = 237 oz., worm under = 173 oz.
#090 = 35 oz.	#150: output vertical = 183 oz., input vertical = 211 oz.

General Instructions

1. IPTS gear reducers are rated for 1750 rpm input, 1.0 service factor. Please consult our catalog for selection guidelines.
2. Care must be taken to insure proper alignment of reducer in conjunction with other equipment at the time of installation to prevent damage to reducer components during operation.
3. Auxiliary drive components (including sprockets and pulleys) should be mounted as close as possible to the gear reducer housing (without making actual contact) to reduce the effects of overhung bearings.
4. Auxiliary drive components should NOT be force fitted to reducer to avoid damage to gears and / or bearings.

Warnings

1. Overall operational system safety must be considered at all times.
2. While ratios over 15:1 are generally self-locking, reducers should not be relied upon to act as brakes.
3. For safe operation of any gear drive, all rotating shafts and auxiliary components must be shielded to conform with applicable safety standards.
4. Mounting of reducers in overhead position may be hazardous. Use od external guides or supports is strongly recommended for overhead mounting.