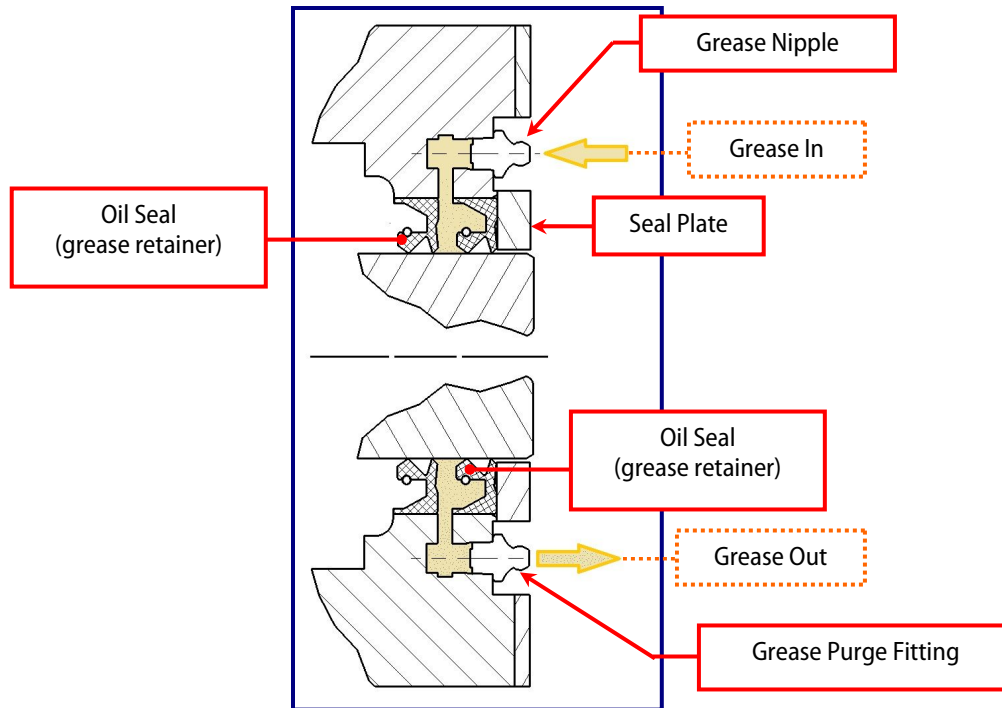


# Cyclo® BBB 4 Series: Taconite Seal Lubrication Procedure

## Introduction

Taconite seals may be used in high dust operating environments. They use a grease purging system to prevent outside contaminants from entering the speed reducer/gearmotor. **Figure 1** below details the taconite seal assembly as utilized in the 4-Series Bevel Buddybox.



**Figure 1: Taconite Seal Assembly**

## Procedure

Please follow these instructions to maintain lubrication of the Taconite Seal system:

- Unless otherwise specified, the Taconite output seals are each packed with NLGI #2 EP mineral grease prior to unit shipment from the factory location.
- Grease does not need to be added to the seals prior to unit start-up.**
- Add grease to the seals according to the guidelines indicated in Table 1. Refer to Table 2 for recommended greases.

**Table 1: Lubrication Cycle**

Output Shaft RPM	Hours of Operation
>200	5,000

Please note that a highly contaminated environment may require a more frequent lubrication cycle.

- If the unit will not be operated for a period greater than 6 months, apply a thin layer of grease to the outside surface of the seals to prevent dry-out. Before starting the unit, check the seals' integrity and replace if required. If seal replacement is required, purge and add grease to the newly installed seals prior to unit operation.

# Cyclo® BBB 4 Series: Taconite Seal Lubrication Procedure (Continued)

## Procedure (Continued)

- e. If the unit will not be operated for a period greater than 6 months, apply a thin layer of grease to the outside surface of the seals to prevent dry-out. Before starting the unit, check the seals' integrity and replace if required. If seal replacement is required, purge and add grease to the newly installed seals prior to unit operation.
- f. Units may be equipped with either a spring loaded grease relief fitting, or a plug in the grease purge port.
  - If your unit has a plug, begin by removing the plug.
  - While rotating the reducer shafts to ensure even grease distribution, **slowly** add grease until new grease begins to come out of the grease purge port. **NOTE: Rotate shafts by hand in this process. Exercise caution in rotating shaft in order to avoid injury.**
  - Wipe away excess grease and reinstall plug if necessary.

**Table 2: Recommended NLGI#2 Mineral Greases**

Grease	BP	Castrol			Chevron/Texaco		Exxon/Mobil		Shell	Total
Mineral	Ener-Grease LS EP2	Spheerol AP3	Olista Longtime 3EP	Tribol 3020/1000-2	Duralith Grease EP2	Multifak EP2	Beacon EP2	Mobilux EP2	Alvania EP2	Multis EP2
Food Grade					FM EP2					