

Service Bulletin

Bulletin #: **SB-560-001**
8/26/22

Rev: **01**
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Daifuku America Corporation

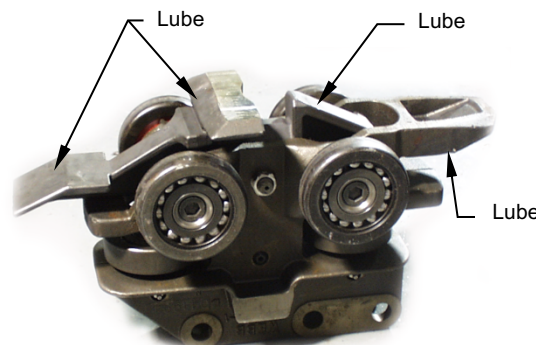
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DAIFUKU

Subject: 6" Inverted Dog Magic Trolleys - Lubrication Requirements

6" Inverted Dog Magic® trolleys require periodic re-lubrication to minimize wear and to prevent corrosion of critical internal parts. Dog Magic® trolleys operating in high temperatures (250°F +), washer systems, or caustic environments should be protected by shielding to minimize radiated heat or direct contact with the environment. For high temperature applications, high temperature synthetic lubricants should be considered. A lubrication specialist should be contacted to provide a specific lubricant recommendation for each application.

The following areas of the 6" Inverted Dog Magic® trolley require periodic lubrication:



Load and Guide Wheels:

- Initial lubrication: Use NLGI #2 grease for wheels with inner caps (see chart for initial grease quantities). Use ISO 100 / AGMA 3 / SAE 30 wt oil for open wheels.
- Maintenance Lubrication: Every 700 hours of operation or as required. The amount of additional lubricant will vary depending on the service conditions and environment.

Internal Rollers & Retractable Dog:

- Initial lubrication: Dip in an ISO 220 / AGMA 5 / SAE 90 wt gear oil and let drain. Do not use grease. Grease can build up or break down causing sluggish operation of the retractable dog.
- Maintenance Lubrication: Every 700 hours of operation or as required. Re-lubrication is performed through the trolley side lube fittings. The amount of additional lubricant will vary depending on the service conditions and environment.



External Wear Surfaces (Retractable Dog & Trolley Bracket):

- Initial lubrication: Use a dry film lubricant (such as Metaline #9), or a NLGI #2 grease.
- Maintenance Lubrication: Normally not a scheduled maintenance item. However, under severe service conditions, re-lubrication of the indicated surfaces may be required to prevent trolley accumulation problems. The amount of additional lubricant will vary depending on the service conditions and environment.

Trolley and Guide Wheel Lubrication Quantities Initial Installation Only			
Wheel Type	Recommended Quantity (Ounces)		
	Directly To Ball Races	Through Grease Fitting	Maximum Capacity
6" Ball Retainer	0.80	1.50	3.00
6" Full Complement	0.40	2.25	4.50
All quantities are in ounces (weight) for typical lithium based greases. Quantities for non-lithium greases should be adjusted accordingly.			

For questions regarding this service bulletin, call Daifuku America Corporation (DAC) Product Sales at (248) 553-1232 or email us at dacproductsales@daifukuamerica.com.