

Dodge Quantis Oil Level Recommendations

Standard mounting position for a Dodge Quantis gear reducer is Horizontal-Floor (A1). However, on the Besser-Matic front delivery (Green block) and unloading (Cured block) conveyors, the reducers are in the **Horizontal-Wall mount position (A5)**. The reducer is the same with the exception of the amount of oil pre-filled from the factory. If these units are not properly filled when mounted on their sides they will starve for adequate lubrication. This in turn will lead to excessive heat and wear causing premature failure of the input pinion and gear. Based on the chart below, you will need to verify that the breather and plug locations are in the correct location AND that the correct amount of lubricant is in the gear reducer.

A1			
Unit Size	Reduction Stage	Pints	Liters
35	2	1.10	0.32
	3		
45	2	2.30	1.10
	3		
65	2	3.90	1.45
	3		
85	2	5.70	4.17
	3		

A5			
Unit Size	Reduction Stage	Pints	Liters
35	2	1.30	0.80
	3		
45	2	3.40	1.60
	3		
55	4	5.70	2.70
	5		
65	2	12.30	6.10
	3		

Use Mobil SCH 630 or Equivalent gear oil for this application.

To verify which Gear Reducer you have you will want to check catalog number located on the metal on the serial number tag. Example: HB482LN14OTC

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SAFETY BULLETIN

This notice is issued to advise you that some previously accepted shop practices may not be keeping up with changing Federal and State Safety and Health Standards. Your current shop practices may not emphasize the need for proper precautions to insure safe operation and use of machines, tools, automatic loaders and allied equipment and/or warn against the use of certain solvents or other cleaning substances that are now considered unsafe or prohibited by law. Since many shop practices may not reflect current safety practice and procedures, particularly with regard to the safe operation of equipment, it is important that you review your practices to ensure compliance with Federal and State Safety and Health Standards.

IMPORTANT

The operation of any machine or power-operated device can be extremely hazardous unless proper safety precautions are strictly observed. Observe the following safety precautions:

ALWAYS:

- ✓ Be sure proper guarding is in place for all pinch, catch, shear, crush, and nip points.
- ✓ Be sure that all personnel are clear of the equipment before starting it.
- ✓ Be sure the equipment is properly grounded.
- ✓ Turn the main electrical panel off and lock it out in accordance with published lockout/tagout procedures prior to making adjustments, repairs, and maintenance.
- ✓ Wear appropriate protective equipment such as safety glasses, safety shoes, hearing protection, and hard hats.
- ✓ Keep chemical and flammable material away from electrical or operating equipment.
- ✓ Maintain a safe work area that is free from slipping and tripping hazards.
- ✓ Be sure appropriate safety devices are used when providing maintenance and repairs to all equipment.

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NEVER:

- ✓ Exceed the rated capacity of a machine or tool.
- ✓ Modify machinery in any way without prior written approval of the Besser Engineering Department.
- ✓ Operate equipment unless proper maintenance has been regularly performed.
- ✓ Operate any equipment if unusual or excessive noise or vibration occurs.
- ✓ Operate any equipment while any part of the body is in the proximity of potentially hazardous areas.
- ✓ Use any toxic flammable substance as a solvent cleaner.
- ✓ Allow the operation or repair of equipment by untrained personnel.
- ✓ Climb or stand on equipment when it is in operation.

It is important that you review Federal and State Safety and Health Standards on a continual basis. All shop supervisors, maintenance personnel, machine operators, tool operators, and any other person involved in the setup, operation, maintenance, repair or adjustment of Besser-built equipment should read and understand this bulletin and Federal and State Safety and Health Standards on which this bulletin is based.