

RECOMMENDED LUBRICANTS FOR NORTH STAR ICE MAKERS

The purpose of this Technical Bulletin is to advise our customers of the proper lubrication for North Star ice makers which is essential to their maintenance. Gear reducers and other components of North Star ice makers are designed for specific lubricants under certain operating conditions.

Lubrication issues are the leading cause of equipment failure; examples include using an incorrect lubricant, not maintaining the correct fill level, and/or operating the equipment with dirty or contaminated oil.

Following is a chart showing the recommended lubricants. For more detailed information, refer to the Lubrication Section of North Star's Installation and Operation manuals updated in January 2011.

Reducer	Speed Reducer (located above drive motor) (Single Worm Gear Reducer)		Top Center Gear Reducer (Hypoid Gear Reducer)	
Lubrication Requirements	Type	Brand Name	Type	Brand Name
Lubricant Specs.	ISO-VG 460, AGMA 7S, AGMA 7C		SAE 80W-90, API GL-5 Class	
Required Quantity	Refer to Installation/Operation manual for specific ice maker model		Refer to Installation/Operation manual for specific ice maker model	
Mobil Oil Corporation	MIN PAO PAG	Mobil 600W Super Cylinder Oil Mobil SHC 634 Mobil Glygoyle ISO 460	MIN	Mobilube HD 80W-90 Mobilube HD LS 80W-90
Shell Oil Corporation	MIN PAO PAG	Shell Valvata J460 Shell Omala RL 460 Shell Tivela Oil S ISO 460	MIN	Shell SPIREX HD 80W-90 Shell SPIREX SB 80W-90
Chevron USA, Inc.	MIN PAO	Chevron Cylinder Oil W ISO 460 Chevron HiPerSYN™ Oil ISO 460	MIN	RPM Universal Gear Lubricant SAE 80W-90 Delo Gear Lubricant ESI SAE 80W-90 Havoline Gear Oil SAE 80W-90
Texaco	MIN PAO	Texaco Vanguard 460 Texaco Pinnacle 460	MIN	Texaco Havoline Gear Oil SAE 80W-90 Texaco Multigear EP Oil SAE 80W-90
Lubriplate (Fiske)	PAO PAG	Lubriplate Synthetic Worm Gear Lubricant, Syn Lube 460 Lubriplate PGO-460 Lubriplate PGO FGL 460	MIN	APG 80W-90

Notes:

1. Lubricants shown on the chart are typical only and should not be construed as exclusive recommendations.
2. Do not mix different types of oils.

If you would like more information on this or any other subject relating to North Star Ice Equipment, please don't hesitate to contact us.

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