

LUBRICATION AND MAINTENANCE OF OHIO SPEED REDUCERS

NOTE: BEFORE OPERATION, BE SURE VENT PLUG IS INSTALLED IN PROPER POSITION.

Precision gearing and bearings in Ohio Gear speed reducers, together with closer manufacturing tolerances require that high-grade lubricants be used for optimum performance, maximum efficiency and long life.

Lubricants should be stable, anti-corrosive, highly oxidation resistant, and preferably contain an additive for suppressor of foam. A viscosity index exceeding 90 is recommended for optimum performance.

For Worm Gear Reducers operating in ambient temperatures of 20 degrees to 100 degrees F, use lubricant conforming to *(A.G.M.A. #7 Compounded). For operation in ambient ranges other than the above, consult factory.

For Helical and Bevel Gear Reducers operating in an ambient temperature of 20 to 100 degrees F, use lubricant conforming to A.G.M.A. #4 EP. For operation in ambient temperature ranges other than above, consult factory.

For all applications, lubricant used should have pour point lower than the lowest expected minimum ambient temperature.

Level plugs assure proper amount of lubricant for reducer to operate at an input speed of 1750-RPM and/or a floor mount position. At installation it is recommended that the level plug be removed to check proper level and to drain excess lubricant if necessary. It may be necessary to vary lubricant levels for operation at speeds other than 1750-RPM input. A level too high may cause overheating at high speeds, or a level too low may cause premature wear or failure at low speeds. For optimum operation at input speeds other than 1750 and/or for mounting positions other than floor mount, consult factory.

After 100 hours of two weeks of operation, lubricant should be drained and unit flushed. Unit should then be refilled to proper level with filtered original fill or fresh lubricant. At intervals of 2500 operational hours or six months (whichever occurs sooner) lubricant should be drained and replaced (under normal operating conditions). More frequent intervals of lubricant change are suggested for unusual operational or environmental conditions. Consult factory for recommendations.

In addition to lubrication, the unit should have regular inspection to determine the tightness of bolts and screws, misalignment of connected shafts, oil leakage, excessive heating, or any unusual noise or vibration.

APPROVED LUBRICANTS

Manufacturer	Worm Gears	Spur, Bevel, Helical
	A.G.M.A. #7 Compounded	A.G.M.A. #4 EP
Chevron Oil Co.	Cylinder Oil 460X	NL Gear Compound #150
Exxon Oil Co.	Cylesstic TK 460	Spartan EP150
Gulf Oil Co.	Transgeat EP 460	EP Lubricant HD150
Mobile Oil Co.	600 W Cylinder Oil	Mobilgear 629
Shell Oil Co.	Valvata J460	Omala 150
Sun Oil Co.	Sun Gear Oil 7C	Sunep 1060
Texaco Inc.	Vanguard Cylinder Oil 460	Meropa 150

CAUTION:

It is the responsibility of the original equipment manufacturer or user to install and/or operate Ohio Gear Products in conformance with applicable local and national safety codes. Suitable guards for rotating shafts and couplings should be used at all times. Good safety procedures should always be observed whenever working with or around any transmission equipment.

*American Gear Manufacturers Association

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