

INSTRUCTION SHEET

LEVELWIND ASSEMBLY

OPERATION NOTES

Levelwind Adjustments

(Ref. Dwg. W24563/94169)

⚠ WARNING

• **Adjustment of control valve (63) is required prior to operation of the levelwind. Failure to make these adjustments may damage the assembly.**

To adjust the level wind system conduct the following:

A. Control Valve Adjustment

1. Loosen both capscrews (25) in sensor frame (19) that hold valve lever (68).
2. Center the sensor frame assembly (19) in guide frame assembly (8).
3. Actuate the clevis end of control valve (63) until **CENTER** is found.
4. Maintaining **CENTER** in control valve, tighten both capscrews (25) in the sensor frame.

B. Guide Bar Adjustment

1. Loosen capscrews (25) in clamp (24) located on top of the sensor frame (19).
2. Rotate both guide bars (23) equally until the clearance between guide bars and wire rope is $1/32 - 1/16$ in (0.8 - 1.2 mm).
3. Tighten capscrews (25) in clamp (24).

C. Rate of Travel Adjustment

1. Move the levelwind assembly to the end of travel in either direction by pushing the sensor frame assembly in that direction.
2. Loosen nuts (30) and adjust capscrews (79) until they both touch the sensor frame. Then rotate capscrews (79) in, one additional complete revolution. Lock in place with nut (30).
3. Repeat steps 1 and 2 for travel in the other direction.
4. Travel speed can be adjusted from this point to **slow down** the rate of travel only. Adjustment is made by turning both capscrews (79) together clockwise.

LUBRICATION NOTES

Levelwind Lubrication

The guide bar requires no lubrication. The levelwind components ride on Nylatron® wear pads which require no lubrication.

NOTICE

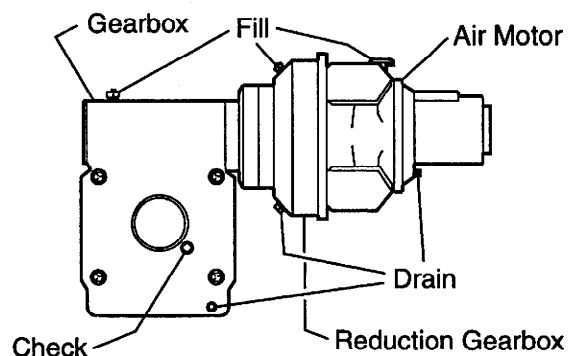
• **The lubricants listed below are recommended for optimum performance and long life of the levelwind system.**

• **For basic winch lubrication refer to "LUBRICATION" section in winch manual.**

1. The grease fitting on the guide frame can be lubricated with grease recommended in the winch manual "LUBRICATION" section.
2. Apply a heavy coat of grease to the pinion (41) gear teeth.

* Follow the recommended intervals for changing levelwind lubricants as those listed for the winch.

* Levelwind units are shipped from the factory fully lubricated.



(Dwg. MHP1125)

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MATERIAL HANDLING

LUBRICATION NOTES

Levelwind Air Motor and Reduction Gearbox

These components are splash lubricated by the oil in the housing and have no other means of lubrication. It is therefore important to use high quality rust and oxidation inhibited gear oils to ensure maximum performance and minimum down time for repairs.

Gearbox

The gearbox is splash lubricated by oil in the housing and has no other means of lubrication. The gearbox contains a worm gear assembly it is therefore important to use high quality extreme pressure gear lubricant to ensure maximum performance and minimum down time for repairs.

Lubrication Chart

	Capacity	Temperature	Recommend Viscosity
Gearbox	1 qt. (0.9L)	50° to 125° F (10° to 52° C)	ISO VG 320*
		-10° to 50° F (-23° to 10° C)	ISO VG 220
Reduction Gearbox	8 fl. oz. (237 mL)	Below 32° F (0° C)	ISO VG 68
		32° to 80° F (0° to 27° C)	ISO VG 100*
		Above 80° F (27° C)	ISO VG 150
Air Motor	2 fl. oz. (59mL)	Below 32° F (0° C)	ISO VG 46
		32° to 80° F (0° to 27° C)	ISO VG 68*
		Above 80° F (27° C)	ISO VG 100

* Units are shipped from the factory with this oil