

## **SPEED REDUCER LUBRICATION**

V-5 and V-10 pumps are shipped from the factory with the speed reducer filled with the proper amount of lubricant to operate within a 30 to 100 degree Fahrenheit ambient temperature range. The 60, 30, and 18 RPM output units are single reduction and the 12, 6, and 1 RPM output units are double reduction. Double reduction units have separate oil sumps and must be filled/checked independently. Prior to startup, verify that the oil level is at the proper level, by removing the level inspection plug which is positioned about the center of the output shaft on the side of the unit opposite the input shaft. The oil level should be at or near this level. If the ambient temperature will be outside the range for the lubricant installed at the factory, drain and refill the reducer with the proper viscosity lubricant prior to use. Consult the factory or the chart below for alternate lubricants. Be sure to install the breather plug in the proper location on the side of the reducer, near the top of the reducer.

**Change Intervals: Standard compounded lubricants should be changed every six months or 2500 operating hours, whichever comes first. Factory installed synthetic lubricants should be changed every two years or 6000 hours, whichever comes first. Oil should be changed more often if reducer is used in a severe environment. The factory supplied oil is not suitable for the Food and Drug Industry.**

<b>MANUFACTURER</b>	<b>30-100 DEGREE F AMBIENT</b>	<b>50-125 DEGREE F AMBIENT</b>
	<b>AGMA Compounded #7</b>	<b>AGMA Compounded #8</b>
<b>Amoco Oil Co.</b>	<b>Worm Gear Oil</b>	<b>Cylinder Oil #680</b>
<b>Chevron USA, Inc.</b>	<b>Cylinder Oil #460X</b>	<b>Cylinder Oil #680X</b>
<b>Exxon Co. USA</b>	<b>Cylesstic TK-460</b>	<b>Cylesstic TK-680</b>
<b>Gulf Oil Co.</b>	<b>Senate 460</b>	<b>Senate 680D</b>
<b>Mobile Oil Corp.</b>	<b>600 W Super Cylinder</b>	<b>Extra Hecla Super</b>
<b>Shell Oil Co.</b>	<b>Valvata Oil J460</b>	<b>Valvata Oil J680</b>
<b>Sun Oil Co.</b>	<b>Gear Oil 7C</b>	<b>Gear Oil 8C</b>
<b>Texaco</b>	<b>Honor Cylinder Oil</b>	<b>650T Cylinder Oil</b>
<b>Union Oil Co. of CA</b>	<b>Steaval A</b>	<b>Worm Gear Lube 140</b>