ENGINEERING SERVICE BULLETIN

TO: MASTER CATALOG HOLDERS
SUBJECT: LUBRICATION

1.   LUBRICATION OF VIKING PUMPS

	GENERAL DESCRIPTION OF GREASE USED BY VIKING	VIKING RECOMMENDED SUPPLIER
Grease used for anti-friction bearings, sleeve bearings and lantern rings*	Premium EP, Multi-purpose polyurea base grease	Any NLGI Grade 2 premium quality, multi-purpose, polyurea grease
Grease used for bracket bushing when seal is behind rotor*	Petrolatum	Chevron Petrolatum Snow White

* Lubricate each grease fitting every 500 hours of operation or every six months, whichever occurs first. If service is severe, grease more often.

Reservoir on Ammonia Pumps	The Series 4925 ammonia pumps are shipped without oil in the reservoir. Before start-up, fill the reservoir with one pint of Light Refrigeration Oil that is compatible with the Neoprene seal and with a maximum viscosity of 15,000 SSU at operating temperature. Drain and refill the reservoir after the first 200 hours of operation and every 1000 hours thereafter. Refer to Technical Service Manual TSM-420.
Pumping Chamber of Take-Apart Pumps and Stainless Pumps	All internal parts are coated with Mineral Oil after testing to avoid galling when the pump is first installed. Be sure the pump is kept full of liquid when in operation to prevent damage to the pump.

2.   LUBRICATION OF VIKING REDUCERS

Viking gear reducers, "A", "B", "C" sizes use SAE 30 oil above 32°F and SAE 10W oil below 32°F.

A	3/8 PT. (6 oz)
B	1/2 PT. (8 oz.)
C	2 and 1/4 PT. (36 oz.)

Viking gear reducers are shipped less oil. Before start-up, fill to proper level with quantity and type of oil shown in box at left. After first 100 hours of operation, drain and refill with new lubricant. Check lubricant level every 2000 hours or every six months. Once each year, drain and refill.

3.   LUBRICATION OF VIKING ASSOCIATIVE EQUIPMENT

Check any motor, coupling, gear reducer or other drive equipment for manufacturer's instructions and lubricate as recommended.