

SOMARAKIS SERVICE BULLETIN – LUBRICATION REQUIREMENTS

Vacuum pump and compressor bearings are grease lubricated and the bearing housings are provided with grease relief holes so that excess grease can work its way out of the bearing assemblies. All vacuum pumps and compressors are performance tested at the factory and have been greased adequately for initial mill operation. Do not add grease before start-up as excess grease will cause elevated bearing temperatures. Bearings should be lubricated on a regular schedule of at least once every six months. Use bearing grease.

Somarakis' patented Vac-Seal arrangement also requires greasing of the lip seals. There are two seals on each end of the pump shaft, which seal around the shaft in the "packing" area. Use bearing grease. Excess grease will not damage or unseat the seals. Seals should be lubricated on a schedule of at least once every three months.

Grease specifications: Premium quality, industrial bearing grease, lithium or lithium base, water resistant, consistency "NLGI #2", viscosity @ 100°F – 500 SSU, viscosity at 210°F – 58 SSU.

The following grease types, or equivalent, are acceptable:

AMOCO	Rykon Premium 2	Gulf Oil	Gulfcrown No. 2
Atlactic Richfield (ARCO)	ARCO Multipurpose	Mobile	Mobilux 2
Chevron Oil	Chevron SRI-2	Shell Oil	Alvania 2 or Dolium R
Exxon	Unirex N2	Texaco	Premium RB 2

The following grease quantities are recommended, per bearing, at 3-month intervals:

SV-0808	40 grams	SV-3028	205 grams
SV-1211	60 grams	SV-3633	245 grams
SV-1414	75 grams	SV-4440	250 grams
SV-1818	100 grams	SV-5348	270 grams
SV-2023	135 grams	SV-5372	510 grams
SV-2523	175 grams	SV-5986	570 grams



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