



# Ariel Corporation Lubrication Sheet



**Frame:** JGA/2     **Stroke:** 3 in     **Gas stream:** Natural gas with water and/or heavy hydrocarbons  
**Frame S/N:** F-21555     **Rod diameter:** 1.125 in     (Methane < 90%, SG > 0.7, Propane > 8%)

**Unit suction pressure, psig: 250**

See Special Oil Recommendation Notice

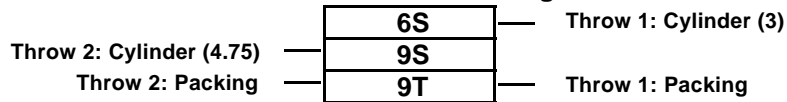
*Quoted 1/18/06 for Natural Gas w/water & Propane. (pbm)*

<u>Throw</u>	<u>Bore, in</u>	<u>Type</u>	<u>Mawp psig</u>	<u>Discharge psig</u>
1	3	JG	2550	1200
2	4.75	JG	865	865

Break-in operation cycle time, sec.: **15** for period of 200 hours  
Normal operation cycle time, sec.: **29** at max.rated rpm  
Total delivered per day, pints: **4.9**  
Recommended mineral oil lubricant for application and pressures:  
**SAE 50-60 wt.(ISO 220-320)OR SAE 40 wt.(ISO 150) with compounding**  
Best Premier pump(s): **One 3/16 in** Recommended base feed rate: 0.30 US pints/inch diameter/day  
Rupture Disc: 3700 psi Yellow 0.125 in. hole diameter

### Lube Block Schematic - Page 1

**Lube block  
Part Number: A-0794**



(Note: # indicates crossport. Block layout is recommendation only, however crossported divider valve must discharge to divider valve below)

	<u>Base rate multiplier</u>	<u>Recommended per day, U.S.Pints</u>	<u>Delivered per day, U.S.Pints</u>	<u>Delivered/recommended</u>	<u>Cycle Time vs. RPM</u>	
					<u>RPM</u>	<u>seconds</u>
Throw1 Packing:	1.50	1.01	0.93	92%	1800	29.0
Throw1 Cylinder:	1.50	1.35	1.24	92%	1700	30.7
Throw2 Packing:	1.25	0.84	0.93	110%	1600	32.6
Throw2 Cylinder:	1.25	1.78	1.86	104%	1500	34.8
					1400	37.3
					1300	40.2
					1200	43.5
					1100	47.5
					1000	52.2
					900	58.0

**\*\*NOTE:** Ariel suggests that delivered/recommended amount for cylinders and packings be within 90 - 125%. These recommendations are general guidelines. If the lubricants or flow rates do not appear to work adequately, flow rates and/or lubricant types may need to be changed. Please contact the lubricant supplier for specific lubricant recommendations. See Section 6.0 of the Ariel Packager Standards for more information.