

Lubricants, Etc.



Lubricant	Part #	Qty.	Specification
Viscous Fluid	BJ 048-X	6 oz.	Synthetic silicone lubricant
Air Motor Oil	GP 041	32 oz.	Almo 525 - ISO Grade 46, SAE 10
Hydraulic Oil	HF 042	1 Gal	Rando HD 68, ISO VG 68
Auto Trans. Fluid	GP 042	32 oz.	Mercon/Dexron ATF
Motor Oil	GP 044	32 oz.	10W40 Motor Oil
Gearbox Lube	GP 046	32 oz.	Gear Oil 80W-85W-90
Thread Sealant	GP 047	4 oz.	Thread Mate
Grease	GP 048	14 oz.	Synthetic Grease SHC 100

Air Motors

Gast 4AM



Gast 6AM



Only two air motors are currently used - Gast 4AM and 6AM models. Use this information to plan compressed air requirements.

Model	Gast 4AM	Gast 6AM
At Peak		
Rotation	3000 rpm	3000 rpm
Power	1.7 HP 1.3 KW	4.0 HP 3.0 KW
Torque	36 in-lb 4.1 Nm	84 in-lb 10.0 Nm
Air Consumption	78 cfm 133 m3/hr	128 cfm 228 m3/hr
Air Pressure	100 psi 7.0 bar	100 psi 7.0 bar
At Minimum		
Rotation	600 rpm	600 rpm
Power	.35 HP .26 KW	.50 HP .37 KW
Torque	31 in-lb 3.5 Nm	62 in-lb 7.0 Nm
Air Consumption	12 cfm 20 m3/hr	27 cfm 46 m3/hr
Air Pressure	60 psi 4 bar	60 psi 4 bar

Hydraulic Motors

LM 122 Motor

The Danfoss OMM 8 hydraulic motor is currently used on all equipment with hydraulic power.



This information helps plan oil pumping and control requirements.

Model	LM 122 Continuous	LM 122 Intermittent
Rotation	1960 rpm	2430 rpm
Power	2.3 HP 1.3 KW	3.5 HP 3.0 KW
Torque	95 in-lb 4.1 Nm	135 in-lb 10.0 Nm
Oil Flow	4.2 gpm 133 m3/hr	5.3 gpm 228 m3/hr
Oil Δ Pressure	1450 psi 7.0 bar	2000 psi 7.0 bar
Minimum Rotation	50 rpm	

Threaded Connections



Galling - Stainless steel threaded connections tend to gall, when tightened. Galled threads are almost welded together, an expensive problem. To prevent galling, use antiseize compound whenever stainless steel threads are tightened. *Tape by itself does not prevent galling.*

Pressures Above 4 Kpsi - Use both antiseize and fluorocarbon tape for gall-free, leak-free pipe connections.

4 Kpsi and Below - Use Parker Thread Mate alone for gall-free, leak-free pipe connections.