

Date 12-19-08

Sales Order No. 08-177539-01

Engineer Heimburger

Job Name MUSTANG

**CONTRACT ENGINEERING
COMPRESSOR INFORMATION REQUIRED**

Compressor Model				M555B3		
Compressor Refrigerant Oil Type				R-134A / 402KJ		
Auxiliary Oil Pump Manufacturer				By Frick		
Auxiliary Oil Pump Size / Horsepower				By Frick		
AOP Relief Valve Setting (PSI)				33		
Journal Bearing 3.0	Suct. 5.0	Disch. 1.25	GPM 1X Thrust Brg.	10.6	6.7	17.3
Supply Oil Temperature (°F)				120.0		(100°-140°F Range)
Supply Oil Pressure (PSIG) (before filter)				57.0		
Thrust Bearing Discharge Oil Temperature (°F)				129.1		
Thrust Bearing Discharge Oil Pressure (PSIG)				48.0		
Sump Oil Temperature (°F)				126.0		
Sump Oil Pressure (PSIG)				9.1		
Oil Cooler Oil Inlet Temperature (°F)				129.1		
Oil Cooler Oil Outlet Temperature (°F)				114.1 *		
Oil Cooler Oil Pressure Drop (PSI)				By Frick		
Oil Cooler Coolant (Water/Refrig.) Flow Rate				} ↓		
Oil Cooler Coolant Inlet Temperature (°F)						
Oil Cooler Coolant Outlet Temperature (°F)						
Oil Cooler Coolant Pressure Drop (PSI)						
Oil Filter Pressure Drop (including Piping)		Clean / Dirty (PSI)		By Frick 1		
Balance Piston Pressure (PSIG)	/	PSIG to give 250 PSI Thrust Load		25.3	/	49.1
Normal Thrust Brg. Load (LB.)	/	Max. Thrust Brg. Load (LB.)		1546	/	7200
A-4 Seal Gas Supply Flow (LBS/MIN)			Suction	13.7	/	14.5 Discharge
A-4 Seal Filter Pressure Drop		Clean / Dirty (PSI)		By Frick 1		

23.8 + 53 - 57 - 14.7
 2 sump 2 dilution gas

* Add 5% to heat load due to oversize oil pump (before std. margin)