

SECTION 4 - IOM

M COMPRESSOR COLD MISALIGNMENT DATA

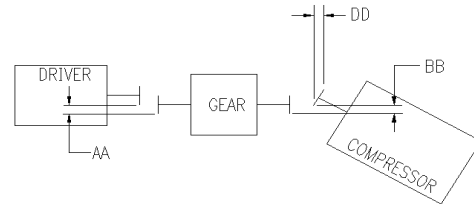
294100

1/29/09

Mustang IAG

BY: Terry Palmer
 COMPR MODEL: M555
 YORKFLEX COUPLING SIZE: 3.750
 CASING LENGTH: 96.5 IN
 SUCTION TEMPERATURE: -5.5 °F
 DISCHARGE TEMPERATURE: 136.1 °F
 SPECIAL DRIVE SHAFT: YES
 AMBIENT TEMPERATURE: 105 °F
 HUB SEPARATION: 1/4(+ 1/32) IN
 GEAR SUMP TEMP: 158 °F
 MOTOR TEMP RISE: 80 °C

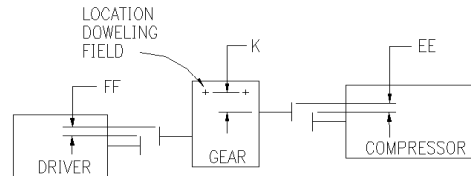
ELEVATION #07



FACTORY ALIGNMENT DATA:

PLAN #33

AA= 6.6 MIL
 BB= 28.4 MIL
 DD= 2 MIL
 EE= 0 MIL
 FF= 12.8 MIL
 K= 8.8 IN
 N1= 11.8 MIL
 N2= 12.5 MIL



FIELD COLD MISALIGNMENT DATA:

ACTUAL OFFSET VALUES, UNITS = MIL

AA	24.1	20.7	17.4	14.1	10.8	7.4	4.1
BB	40.3	39.9	39.4	38.9	38.5	38	37.5
DD	3.7	3.7	3.7	3.7	3.7	3.7	3.7
EE	5.9	4.8	3.7	2.5	1.4	0.3	-0.8
FF	30.8	27.4	23.9	20.5	17.1	13.7	10.2
TEMP, °F	0	20	40	60	80	100	120

NOTES:

1. Values shown are actual offsets. Radial total indicator readings (TIR) will be twice the offsets shown. Face TIR readings will be equal to the offsets shown.
2. Values are based on doweling at locations shown. Jacking bolts may be used as an alternative.
3. Rotate shafts together to eliminate the effects of run-out. Run-out limits: Radial TIR less than or equal to 2 MIL (0.05 mm). Face TIR less than or equal to 1 MIL (0.03mm).
4. Refer to axial alignment procedure (separate).