A	Ref -	B	Ref -
- Plan établi - First issue		- Modifications according to customer's comments	
Drawn MH	Date 02.10.2006	Drawn MH	Date 12.10.2006
C	Ref DMBE 0600656		
- Remove pre-stretch			
Drawn MH	Date 28.11.2006		

NOTICE DE MONTAGE ET D'ENTRETIEN — RE 040-111
FITTING AND MAINTENANCE INSTRUCTIONS

NOTE

- 1 - Pour les opérations d'équilibrage et de manutention, chaque groupe de membranes est maintenu à l'aide d'entretoises (pentes en rouge) et de vis de liaison. Il est IMPERATIF de les désolidariser avant installation de l'accouplement sur le site
For the despatching and balancing operations, each membrane unit will be locked solid by means of gagging sleeves (painted red) and gagging screws. Those items MUST BE REMOVED prior to assembly on site.

- 2 - Cet Accouplement est livré avec 10% de visserie supplémentaire conformément au chapitre 2.11.7 de l'API 671
This coupling is supplied with 10% of extra screw in accordance with paragraph 2.11.7 of API 671

- 3 - Pour les essais à vide côté COMPRESSEUR 25MB7 se référer au plan FIC7820-00
For the machine test purpose 25MB7 COMPRESSOR side, refer to drawing FIC7820-00

- 4 - Les vis d'entretoises doivent être utilisées pour monter et désolidariser le spacer
Monter les vis sans entretoises et comprimer de manière identique chaque pack membranes jusqu'à obtenir la cote XX, égale à 5.8 mm.
Gagging bolts may be used to fit and remove spacer. Fit bolts without gagging sleeves and compress each membrane pack by equal amount until dimension XX is not less than 5.8 mm

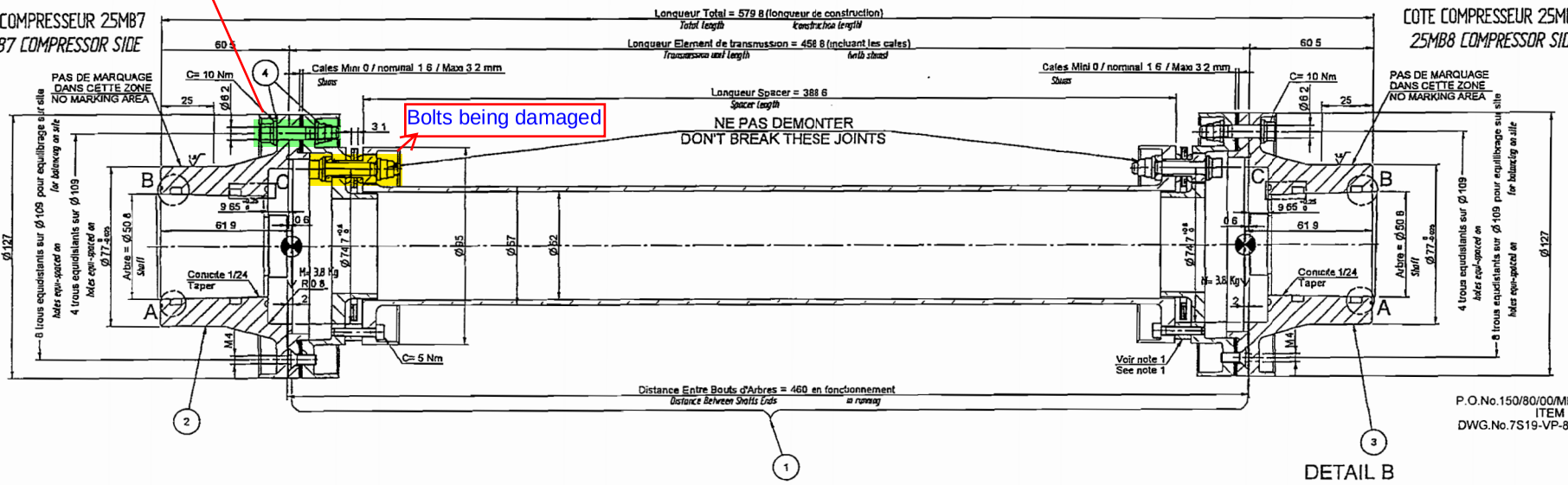
Conditions de service / Operating conditions		Capacité de l'accouplement / Coupling capacity	
Puissance / Power			
- Nominal :	782 kW		110 kW / 1000 tr/mn
- Maxi cont. :	kW		
Vitesse / Speed			
- Nominal :	13208 tr/mn		
- Maxi en continu : Maxi continuous	13208 tr/mn		
- Mini admissible : Mini allowable	6611 tr/mn	- Maxi :	25400 tr/mn
- Déclanch / Trip	tr/mn		
Couple / Torque			
- Nominal :	565 N.m	- Maxi en continu : Maxi continuous	1050 N.m
- Maxi en continu : Maxi continuous	N.m	- Maxi de pointe : Maxi peak torque	1401 N.m
- Maxi transitoire Maxi transient	N.m	- Maxi de chocs : Ultimate torque	1751 N.m
- Facteur de service mini : Mini application factor	1.5	- Facteur de service réel : Actual service factor	1.82

Bolts being intact

Bolts being damaged

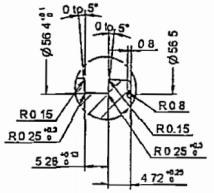
COTE COMPRESSEUR 25MB7
25MB7 COMPRESSOR SIDE

COTE COMPRESSEUR 25MB8
25MB8 COMPRESSOR SIDE

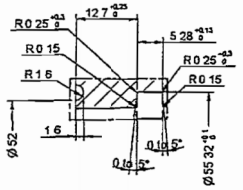


P.O.No.150/80/00/ME/PO/NA/001
ITEM No.81-K1601
DWG.No.7S19-VP-81-K1601-995
REV.10
PAGE.No.
3

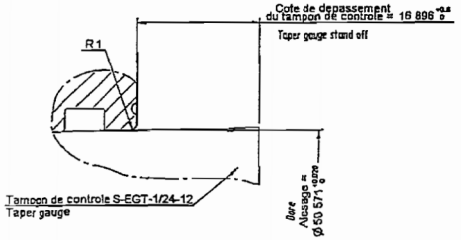
DETAIL A



DETAIL C



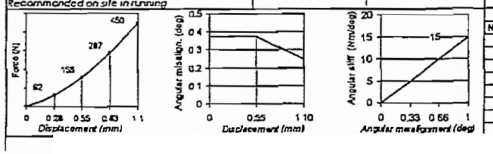
DETAIL B



H.S.S

EQUILIBRAGE SUIVANT / BALANCING ACCORDING	API 671 3 ed paragraph 2.6.3.7				
Composants / Components	Procedure	Balourd / Unit			Outil / Equipment
REP 2 Compressor side hub 25 MB7	2.6.3.5	S	7.2	g.mm	579326
REP 3 Compressor side hub 25MB8	2.6.3.5	S	7.2	g.mm	579326
Ensemble / Assembly	2.6.3.7.	S	9.7	g.mm	579326+579326

CARACTERISTIQUES TECHNIQUES DE L'ACCOUPLEMENT / COUPLING TECHNICAL DATA			
Composants / Components	Masse / Mass Kg	Inertie / Inertia Kg.m²	Rigidité torsion.* / Torsion. stiffness* (MN.m/rad)
REP 1 Element de transmission / Transmission unit	4.4	0.01	0.05
REP 2 Compressor side hub 25 MB7	1.6	0.0019	3.05
REP 3 Compressor side hub 25MB8	1.6	0.0019	3.05
TOTAL	7.6	0.0138	0.05
** Torsional stiffness based on 1/3 hub length for taper end 1/2 hub length for straight			
PREMIERE VITESSE CRITIQUE LATERALE / FIRST LATERAL CRITICAL SPEED :			≥ 59679 tr/mn
DESALIGNEMENTS / MISALIGNMENTS :	Axial		Lateral
Max en continu / Max continuous	± 1.1 mm @ 450 N		± 2.56 mm @ 0.38 deg
Max en transitoire / Max transient	± 1.7 mm @ 878 N		± 3.87 mm @ 0.56 deg
Recommandé sur site en fonctionnement	± 10% Maxi continu		± 10% Maxi continu
Recommended on site in running			



In case of **1 mm prestretch**, DBFF at installation shall be 457.8 mm Accordingly No. of shim shall be 6 pcs (458 mm)

Nb CALES / SHIMS Nb	D.B.F.F. / D.B.F.F.
0	455.6
1	456
2	456.4
3	456.8
4	457.2
5	457.6
6	458
7	458.4
Nominal = 8	458.8
9	459.2
10	459.6
11	460
12	460.4
13	460.8
14	461.2
15	461.6
16	462

CODE MATIERE / MATERIAL CODE	SPECIFICATION	BS EQUIVALENT	DESIGNATION
0150	Z 12 CN 17-08 ½ aur	BS 1449 301S21 1/2H	membrane shim
0047	30 CND 8T	BS 970 817M40T	spacer+hubguard ring+ shim carrier
0031	35 CD 4	BS 970 605M36T	sleeve + spacer washer
3468	40 CND 6 corrosion inhibited	BS970 817 M40 X	washer
0040	ISO gr12.9	ISO gr12.9	gagging bolt
0015	XC 48	BS 970 080M40	gagging bolt
3419	hoghtens. Steel+ Nickel zinc	BS970 817 M40 X	drive bolt +locknut sb stopper bolt+locknut sb
SPEC	Composed of : 0150+0047+0031+3468+0040+0015+3419		
4700	Composed of 3419		

No. of screw for working coupling is 4 pcs each side
Remains are for spare purpose in the same match weight.

ITEM	PART No.		DESIGNATION	QTY.
1	C7746F	SPEC	ELEMENT DE TRANSMISSION / TRANSMISSION UNIT	1
2	C7750F	0047	PLATEAU / HUB	1
3	C7750F	0047	PLATEAU / HUB	1
4	C7764FS	4700	ENSEMBLE VISSERIE / KIT BOLT FIXING composed of 8 screws	2