STEEL EQUIPMENT CORPORATION

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7000 HP, 47.25" P.D. Davy McKee Reversing Pinion Stand for Sale

Manufacturer:	**Davy McKee**
Age:	**1986**
Capacity (HP):	**7000 HP (5,222.00 kw)**
RPM:	**50/80 RPM**
Service Factor:	**2.5 Reversing**
Pinion Type:	**2-Hi**
Pitch Dia (in)	**47.250" (1,200.150 mm)**
Gearing Design:	**Herringbone [Double Helical]**
Gear Ratio:	**1:1**
Bearing type:	**Roller**
D-Dimension:	**27.67" to bottom pinion**
Input Shaft Dia:	**24" (609.600 mm)**
Input Shaft Length:	**37" (939.800 mm)**
Output Shaft Dia.:	**24.210" (614.934 mm)**
Output Shaft Length	**22.250" (565.150 mm)**
Output Shaft Centers:	**47.250" (1,200.150 mm)**
Approximate Overall Dimensions (inches):	
Length:	**150.600" (3,825.240 mm)**
Width:	**153" (3,886.200 mm)**
Height:	**121.250" (3,079.750 mm)**
Approx. Weight:	**54 Tons (48.988 mt)**
Previous Use:	**Reversing Roughing Mill Pinion Stand**

Spare unused set of pinion assemblies included

Contact Dev Lemster for pricing

over for GA drawing>>>>>>>>>>>

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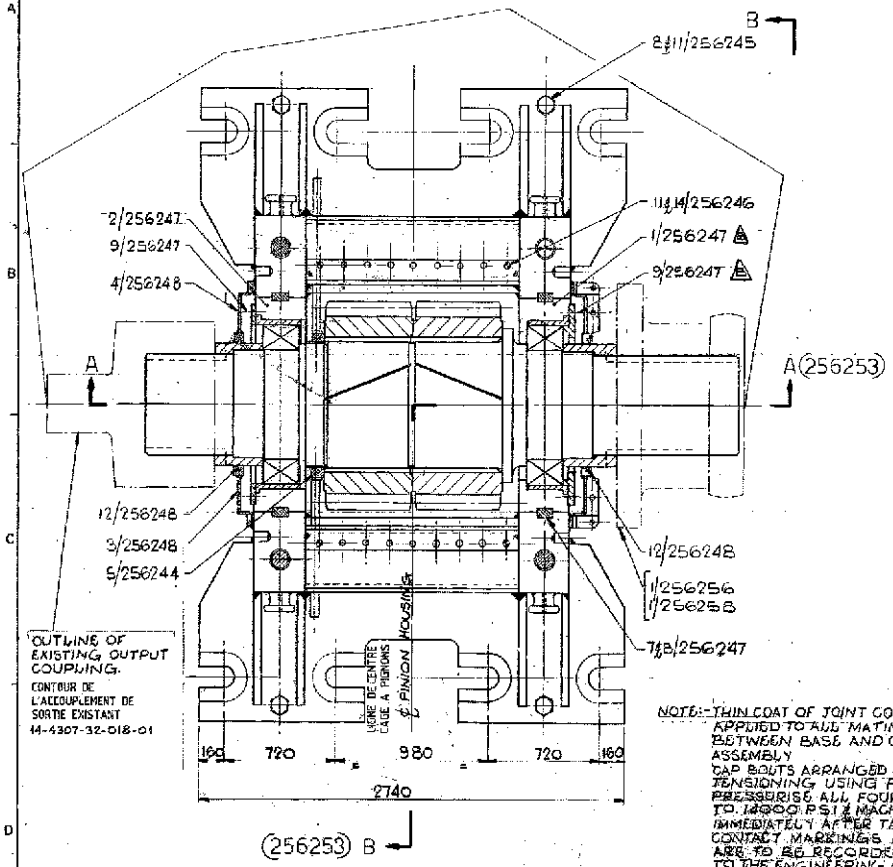
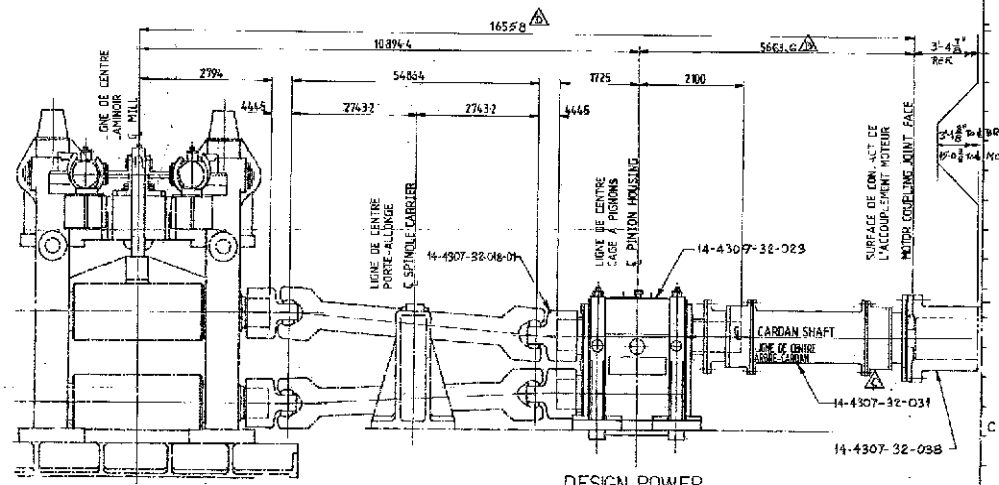
DRG No. 256252 D

SCRIBE THE CENTRE LINE OF THE GEARBOX ACROSS THE FULL FACE OF BOTH OUTPUT & INPUT COUPLINGS

TRACER LA LIGNE DE CENTRE DE LA BOITE A VITESSES D'UN COTE A L'AUTRE DE LA SURFACE DE TOUS LES DEUX ACCOUPLEMENTS DE SORTIE ET D'ENTREE.

TO PROVIDE ALL NECESSARY GUARDING TO COMPLY WITH SAFETY REGULATIONS
FOURNIRA TOUS LES PROTECTEURS NECESSAIRES POUR SE CONFORMER AUX REGLEMENTS DE SECURITE.





NOTE:- THIN COAT OF JOINT COMPOUND TO BE APPLIED TO ALL MATING SURFACES BETWEEN BASE AND COVER ON FINAL ASSEMBLY
CAP BOLTS ARRANGED FOR HYDRAULIC TENSIONING USING PUMP 16/256246 PRESSURISE ALL FOUR NUTS SIMULTANEOUSLY TO 14000 PSI & MACHINE SHIMS TO SUIT. IMMEDIATELY AFTER TAKING FINAL GEAR CONTACT MARKINGS ALIGNMENT, LEVELS ARE TO BE RECORDED AND SUBMITTED TO THE ENGINEERING QUALITY CONTROL DEPT FOR BOTH FLANGES:- RECORD THE DIMENSION BETWEEN THE GEAR FACE & THE INSIDE FACE OF THE GEARBOX WITH THE BOTTOM SHAFT IN ITS CENTRAL POSITION.
REFERENCE DRAWINGS
LUBRICATION ARRANGEMENT DRG 256251
LUBRICATION CIRCUIT DRG 256242
GENERAL ARRANGEMENT OF CARDAN SHAFT 256255
OUTPUT COUPLING WEIGHT 3880KG
INPUT COUPLING WEIGHT 4324 KG
1/256256 & 1,4 & 9/256258

NOTE:- A L'ASSEMBLAGE FINAL UNE FOUCHE LEGERE DE COMBINE D'EMBOITEMENT EST A EMPLOYER SUR TOUTES LES SURFACES DE CONTACT ENTRE LA BASE ET LE COUVERCLE BOULONS DE TETE DISPOSES POUR LA TENSION HYDRAULIQUE EN UTILISANT LA POMPE REP. 16/256246 APPLIQUER DE PRESSION SIMULTANEMENT A TOUS LES QUATRE ECROUS JUSQUA 14000 PSI ET USINER LES CALES POUR Y CONVENIR.
UNE FOIS PRISES LES TRACES DE CONTACT ENTRE LES ENGRENAGES LES NIVEAUX D'ALIGNEMENT SONT A ENREGISTRER IMMEDIATEMENT ET A SOUMETTRE AU SERVICE DE CONTROLE DE QUALITE POUR TOUS LES DEUX FLANCS- ENREGISTRER LA DIMENSION ENTRE LA FACE DE L'ENGRENAGE ET LA SURFACE INTERIEURE DE LA BOITE A VITESSES AVEC L'ARBRE INFERIEUR DANS SA POSITION CENTRALE.
PLANS DE REFERENCE
PLAN DE DISPOSITION DE LA SYSTEME DE LUBRIFICATION 256251
PLAN DU CIRCUIT DE LUBRIFICATION 256242
DISPOSITION GENERALE DE L'ARBRE CARDAN 256255
POIDS DE L'ACCOUPLEMENT DE SORTIE 3880KG
POIDS DE L'ACCOUPLEMENT D'ENTREE 4324KG
REP. 1/256256 ET 1,4 ET 9/256258

DESIGN POWER
7000HP @ 50/80RPM
WORKING PEAK 2·5×FULL LOAD TORQUE
REVERSING DUTY
GEAR PARTICULARS
28/28 TEETH, 40MODULE, DOUBLE HELICAL
HELIX ANGLE 21°50'
FACE WIDTH 550-20-550
CENTRES 1200·6

PUISSANCE DE CONCEPTION
7000 CV A 50/80 TPM
CHARGE MAXIMUM DE TRAVAIL 2·5 x COUPLE DE PLEINE CHARGE
SERVICE-REVERSIBLE
DETAILS DES ENGRENAGES
28/28 DENTS, 40 MODULE, A CHEVRONS
ANGLE D'HELICE 21° 5'50"
LARGEUR DES DENTS 550-20-550
ENTRAXE 1200·6

52272	81192	DRAWN O. YARDE	CHECKED L. E. MOORE	APPROVED	DATE 26/9/86		
		TITLE HOT REVERSING MILL TWO HIGH MILL PINION HOUSING ARRANGEMENT OF PINION HOUSING 1 OF 2					
		Davy McKee SHEFFIELD					
		SCALE 1:15				DRG No. 256252 D	

DRG No.	ITEM No.	MATERIAL	DESCRIPTION	MATERIAL INDEX	MARKS ET DIM.

E	DESCRIPTION OF ISSUE			
	NOTE AND ITEMS ADDED.	L.E.M.	A	
	CARDAN SHAFT & POSITION OF PINION CENTRE & INLET MOTOR ETC.		B	
	DESIGN ET DANS DE PERFECTION		C	10C

THIS DRG. TO BE READ IN CONJUNCTION WITH DRG 256253
LIRE DE PLAN AVEC PLAN 256253

4309-32-022