

SUPPLIER: JC SHANGHAI

ISO 9001: APPROVED

2014/68/EU: APPROVED

P.O NO: 279

DATE: 2021-02-26

REVISION: DOLORES IN NULLA SAE

MATERIAL CERT NO: 438

DATE: 1971-04-19

REVISION: 0

ITEM CODE: ID ET LABORIS QUI EO

DRAWING NO: 622

COMPONENT: BODY

SIZE: 1"

CLASS: 600

MATERIAL SPECIFICATION: A182 GR. F6A CL.2

HEAT TREATMENT: -

HEAT NO: 663

QTY: 134

CHEMICAL ANALYSIS				MECHANICAL PROPERTIES					
PARAMETERS	MIN	MAX	ACT.	PARAMETERS	UNITS	MIN	MAX	ACT.	AVJ
CARBON (C)	-	0.15	11.6	TENSILE (UTS)	MPA	585	-	586	-
MANGANESE (MN)	-	1.00	0.9	YIELD (YS)	MPA	380	-	381	-
SILICON	-	1.00	1.00	ELONGATION (E)	%	18	-	19	-
SULPHUR(S)	-	0.030	0.025	REDUCTION AREA (RA)	%	35	-	36	-
PHOSPHOROUS (P)	-	0.040	0.035	HARDNESS	HB	-	-	181.33	-
CHROMIUM (CR)	11.50	13.50	-	IMPACT TEST @ - 190C	JOULES	-	-	43.67	-
MOLYBDEMUM (MO)	-	-	-						
NICKEL (NI)	-	-	-						
TITANIUM (TI)	-	-	-						
COBALT (CO)	-	-	-						
VANADIUM (V)	-	-	-						
CARBON EQUIVALENT (CE)	-	-	-						
NITROGEN (N)	-	-	0.4						
COPPER (CU)	-	-	-						
IRON (FE)	-	-	-						
TUNGSTEN (W)	-	-	-						
PREN	-	-	-						
COLUMBIUM + TANTALUM (CB + TA)	-	-	-						

REMARKS

1. - Visual inspection: accepted according PS04/11 JC IT. Other information: no major repairs carried out.

2. - We certify that the above material has been manufactured and processed according to requirement of the above P.O.

3. - The results above indicated are exact transcription from the corresponding certificates, which are filed in our factory, issued by our homologated suppliers

4. - In accordance with NACE MR0175/ISO15156 & NACE MR0103/ISO17945

(x)Visual Inspection:

Casting: MSS-SP55 and PS04/11 JC IT

Forging: Material Standard applicable and PS04/11 JC IT