

PAR AVION.

Mor. Ostrava 10, the 16th September 35



*The Vitkovice Mines, Steel &  
Iron Works Corporation*

Head Office and Address for letters:  
Moravska Ostrava 10, Czechoslovakia

Stb/Ha

Address for telegrams:  
Ferrovitkovice Moravska Ostrava

*In your reply please quote:*

Your Ref.:

Our Ref. 24/Kf.K.N°7174/94

Lloyds Register of Shipping,  
71, Fenchurch Street,  
London E.C.3



Dear Sirs,

Löffler Boiler "Conte Rosso".

We duly received your letter of the 6th inst. as well as the approved drawings N°s 2539/H, 2542/H, 2540/H and have noted that you wish to have made the flanges of 80 mm i.Ø above 430°C and 50 mm i.Ø above 460°C of "Loi normal" steel. In accordance with your wishes we have put into <sup>hand</sup> ~~work~~ the flanges of the desired steel brand.

As you require some modifications with the throttle valve of 30 mm i.Ø we beg to hand you enclosed the drawings in duplicate of all the high pressure valves, we intend to use for the "Conte Rosso" boiler for your approval. As this matter is extremely urgent /having already started work on these valves/ we ask you to let us have your approval by wire.

We note that the studs for securing the before mentioned 30 mm throttle valve ought to be 3/4" instead of 5/8", further that the cover should be made of a heat resisting alloy and the nuts of Ni-Cr-Mo-alloy.

As regards the suggested increase of the size of studs from 5/8" to 3/4" we would observe that this will cause difficulties as then also the nuts with which the cover is fastened are larger and can no more be tightened by a normal key. In order to meet with your wish for greater resistance of these studs we suggest to

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*2nd page, of the 13th September 35 to Messrs. Lloyds Register of Shipping  
London E.C.3*

make them of Cr-Ni-Mo-steel without changing the dimensions.

Hereafter we state some figures enabling you to compare both steel brands. The figures for Cr-Ni-Mo-steel are to be considered as approximative ones.

	Tensile at 20° C:	Creep limit at 475°C /working temperature/	
Cr-Ni- Steel	55 - 65 kg/mm <sup>2</sup>	8,5 kg/mm <sup>2</sup>	5.4 Tons"
Cr-Mo-Ni-Steel	55 - 65 kg/mm <sup>2</sup>	22 " "	14 tons"

According to your wishes the nuts for the bolts will be made also of Cr - Mo - Ni - Steel.

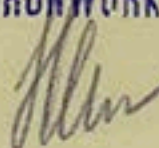
The cover we intend to make of cast steel of 60 - 75 kg/mm<sup>2</sup> tensile strength.

On the other hand the temperature of the cover will be considerably lower than the temperature of steam and at 475°C a maximum temperature of the steam one can reckon upon 350°C in the cover. The cross bar itself will be practically already cold. Please let us have your agreement to the steel quality we suggest to have made the cover from.

Looking forward to your telegraphic approval of our suggestions we beg to be, dear Sirs,

Yours faithfully

THE VITKOVICE MINES, STEEL- AND  
IRONWORKS CORPORATION.



Enclosure:

*resp.*  
Drawings N°s: 2476/H, 2540/H, 2539/H, 2477/H, 2479/H,  
2478/H, 2480/H, 2481/H, 2496/H, 2451/H, 2534/H, 2535/H,  
2546/H, 2502/H, 2626/H, 2503/H.



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Referred to the Chief Engineer Surveyor

WIRE REQUESTED.

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