

C O P Y.

RUSTON & HORNSBY, Limited, LINCOLN.

9th October

19 41

3H132/AB544Ln.

LABORATORY REPORT.

The following are the Results of Tensile & Bend. Tests of Steel
 received Oct. 9th 19 41 from Langley Forge under Lloyd's Survey.

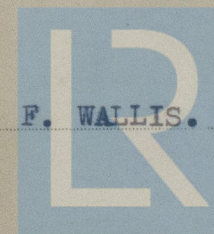
| Laboratory No. | Marks on Specimen | Described as, or Representing | Size in inches Original Dimensions | | Distance between Gauge Points, inches | Diam. After Test inches | Yield Stress | | Maximum Stress | | Elongation per cent. | Reduction of Area per cent. | Impact Test ft. lbs. |
|----------------|-------------------|-------------------------------|---------------------------------------|---------------|---------------------------------------|-------------------------|-----------------|-------------------|-----------------|-------------------|----------------------|-----------------------------|----------------------|
| | | | Diam. | Area sq. ins. | | | On Section Tons | Tons per sq. inch | On Section Tons | Tons per sq. inch | | | |
| 4299/M/46. | L.F. 2828-1 | 1 - 8VGBc/s. | .564 | .25 | 2 | .399 | 4.5 | 18.0 | 8.1 | 32.4 | 32.0 | 50.0 | |
| 4300 | -1 | Lloyds Ref.1385 | " | " | " | .440 | 4.1 | 16.4 | 8.0 | 32.0 | 29.0 | 39.2 | |
| 4301 | 4 | Test No. 514 | " | " | " | .440 | 4.0 | 16.0 | 8.1 | 32.4 | 29.0 | 39.2 | |
| 4302 | 5 | English Steel Corp. | " | " | " | .460 | 4.1 | 16.4 | 8.3 | 33.2 | 27.0 | 33.6 | |
| 4303 | 8 | Cast No.A.395 | " | " | " | .430 | 4.3 | 17.2 | 8.1 | 32.4 | 30.0 | 42.0 | |
| | | O/No.2995/T/1 1341/30/167 | | | | | | | | | | | |

REMARKS: Fractured Fibrous

Bend Test through 180° satisfactory.

Tests witnessed by

Signature C. F. WALLIS.



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Lloyd's Register
Foundation

L1015-0063