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GLASGOW REPORT No 49937

MANCHESTER.

24th September, 1929.

J. F. CAMPBELL and J. McL. REID,

Messrs. Fiat British Auxiliaries, Ltd., Glasgow, attend at the Works of Messrs. Mitchell, Shackleton & Co. Ltd., Manchester on the 20th August, 1929, and subsequently, for the purpose of inspecting and testing one three throw Crankshaft, made to the order No. 1872 of the former firm.

Samples cut from the forging were mechanically tested in the presence of one of the undersigned with the following results:-

Forging No.	Test Piece from	Yield. Tons per sq. inch.	Ult. Tensile Stress.	Elong. %	Bend Test. Angle with -out fractur
1555.	End longitudinal.	23.6	36.6	30	180 degree
	Across web.	21.2	36.4	30	180 "
	Along web.	23.6	37.6	31	180 "

The shaft was also examined in its finished condition and found, so far as could be seen, sound.

The finished diameter of the pins and journals was 160 m/m, and the shaft was stamped:- "LLOYD'S and ", for identification

FEB:- 23 - 3 - 0

*J. F. Campbell & J. McL. Reid.*  
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