

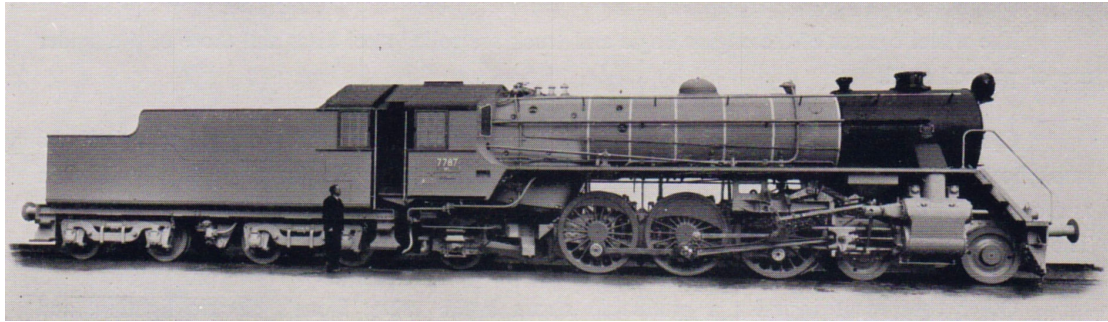
INDIAN RAILWAYS



5 ft. 6 in. Gauge

1955

4-6-2 (WL)



Cylinders.....	(2) 19¼ in. Diam. x 28 in. Stroke	Maximum Axleload.....	16.9 tons
Diameter Coupled Wheels.....	5 ft. 7 in.	Weight :	
Working Pressure.....	210 lb.	Engine in Working Order.....	88.1 "
Tractive Effort at 85% Pressure.....	27,640 lb.	Tender.....	62.59 "
		Total.....	150.69 "

The locomotive illustrated above, one of 10 constructed by The Vulcan Foundry in 1955, is a new prototype Pacific design with 16.9 tons axleload for medium passenger duties, built to the latest requirements of the Indian Railway Board, and designated as the WL Class. It bears no resemblance, however, to the WL locomotives delivered to the old North Western Railway in 1940.

Five of this new class have been sent for service to the Northern Railway of India and five to the Southern Railway.

The boiler consists of a three-course barrel and round-topped firebox with combustion chamber. The inner shell is of allwelded steel and has one thermic syphon and two arch tubes. A Joco regulator is fitted in the dome and the superheater has 30 elements.

Mountitigs include two Gresham & Craven No. 10 live steam injectors, three Ross Pop safety valves, two Everlasting blow-down cocks, and a drifting valve on the firebox back.

The main frames are of 4¼ in. rolled steel bars and all axleboxes on both engine and tender are of roller-bearing type, five sets being of Timken manufacture and five of Skefko.



Spring compensation is provided between all the coupled and the hind truck axles.

The wheel centres of the engine bogie and truck are rolled steel discs and those of the tender are of pressed steel.

Cylinders are of cast steel with cast iron liners and each is made integral with half the smokebox saddle. On six engines all the crankpins are fitted with roller bearings, five by Timken and one by Skefko. The other four locomotives have the Skefko type at the driving crankpin only. The valve motion is lubricated by soft grease throughout.

Other equipment includes a graduable steam brake valve, Stone's electric lighting, and Wakefield sight-feed lubricator.

The tender water tank is of rivetted construction and carries 4,500 gallons; the coal capacity is 12 tons.