

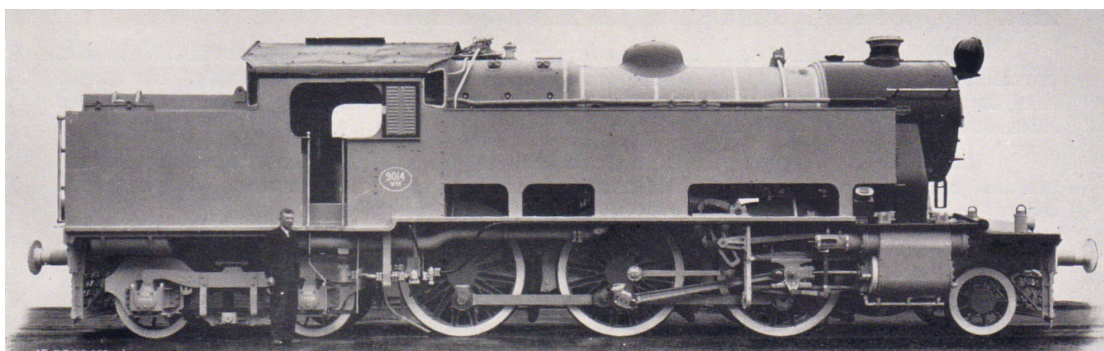
INDIAN RAILWAYS



5 ft. 6 in. Gauge

1952

2-6-4 T (WM)



Cylinders.....	(2) 16 in. Diam. x 28 in. Stroke	Maximum Axleload.....	16.25 tons
Diameter Coupled Wheels.....	5 ft. 7 in.	Weight :	
Working Pressure.....	210 lb.	Engine in Working Order.....	96.6 "
Tractive Effort at 85% Pressure.....	19,100 lb.		

In the late 1930's the Indian Railway Board placed orders with Vulcan for a number of new type Standard tank locomotives designated as the W series and 10 of these were of the 2-6-4 T WM Class, destined for use on the then G.L.P. and E.I. Railways, and delivered in 1942.

In 1952 30 more of these engines, with only slight modifications, were built at Vulcan, and these are all in operation on the heavy suburban work of the Eastern Railway from Calcutta.



*A WM
Locomotive
with
Suburban
Train at
Bandel
Station,
E. Ry.*



The boiler has a Belpaire firebox, and the all-welded steel inner shell is provided with two arch tubes. The superheater is of AX pattern with 21 A-type elements.

The grate comprises a dump bar at the front with hand operated rocking bars in two sections, provision being made for fitting a rocking grate cylinder at a later date if necessary. The ashpan is of the single hopper type in two parts, so arranged that air openings are provided on all four sides, air control doors being dispensed with.

The overhead spring gear for the coupled and front truck wheels is compensated throughout and the journals of the bronze coupled axleboxes are hard grease lubricated; the coupled wheel centres are of the S.C.O.A.-P. type.

The big ends and coupling rod bearings are also lubricated with hard grease, but the gudgeon pins and knuckle pins are arranged for soft grease.

The radial arm front truck has a Timken cannon type roller-bearing axlebox and the outside journals of the trailing bogie are also provided with Timken roller-bearings.

The two side tanks, bunker tank and middle tank under the boiler, all of welded construction, provide a water capacity of 3,000 gallons, whilst the coal bunker carries 6.5 tons.

Accessories include a Joco regulator, two Gresham & Craven No. 8 live steam injectors, two Everlasting blowdown cocks, a continuous blowdown valve, Wakefield A.C. sight-feed lubricator, and Stone's electric lighting.



The Prime Minister of India, Mr. Nehru, inspecting a model of a WM Class Locomotive on road trailer, at the Indian Railways Centenary Exhibition, 1953