

CONFIDENTIAL  
INFORMATION REPORT

COUNTRY USSR  
SUBJECT US Built Locomotive

DATE DISTR. 8 Oct 1948  
NO. OF PAGES 1

PLACE ACQUIRED  
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[Redacted]

NO. OF ENCLS. (LISTED BELOW)  
SUPPLEMENT TO REPORT NO. 50X1-HUM

[Redacted]

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1. In 1931 the Baldwin Locomotive Works built five locomotives for the USSR

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these locomotives were bought chiefly as patterns for locomotives to be built by the USSR.

many of these locomotives have been built in the USSR since 1931, although the number is unknown.

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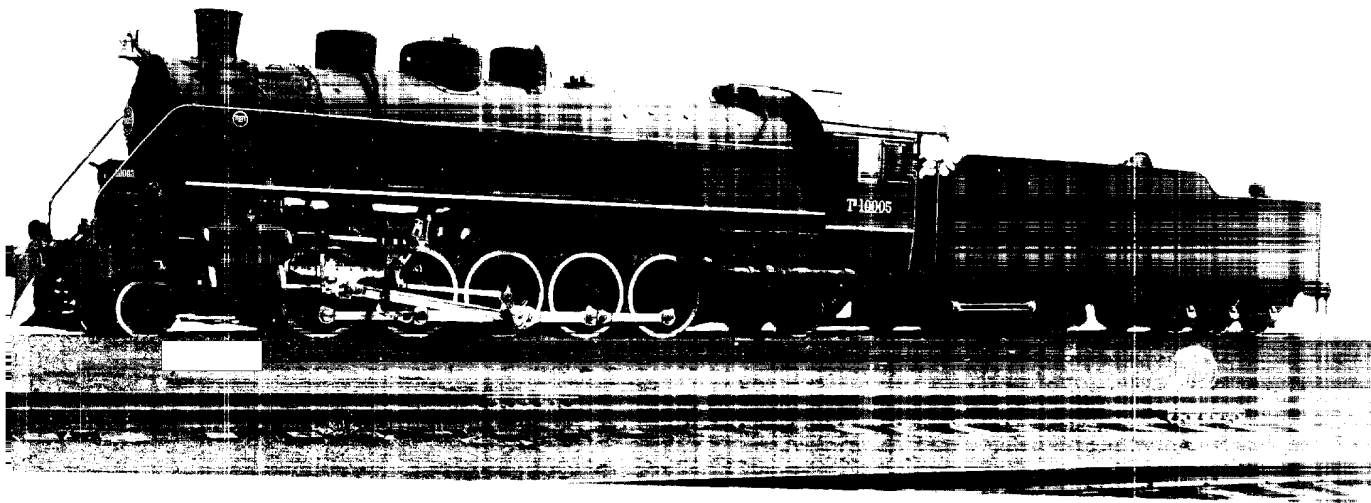
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AREA N USSR

Baldwin locomotive built for USSR by the United States.  
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Negative No. 10,816  
**THE BALDWIN LOCOMOTIVE WORKS**  
 2-10-2 TYPE LOCOMOTIVE

Class 14-48-1/4-F, 75 Road No. 10,005

Built for **Amtorg Trading Corporation**  
 for **Union of Soviet Socialist Republics Rys.**  
 (Order covers five locomotives, Nos. 10005-10009)

Gauge	1524 mm.	<b>DRIVING WHEELS</b>	
Cylinders	700 mm. x 760 mm.	Diameter, outside	1520 mm.
Valves	Piston, 305 mm. diam.	Diameter, center	1340 mm.
		Journals, main	290 mm. x 305 mm.
		Journals, others	240 mm. x 305 mm.
<b>BOILER</b>		<b>ENGINE TRUCK WHEELS</b>	
Type	Straight top, wagon bottom	Diameter, front	914 mm.
Diameter (o. s.)	1974 mm.	Journals	175 mm. x 305 mm.
Working pressure	14 kg. per cm. <sup>2</sup>	Diameter, back	1070 mm.
Fuel	Coal	Journals	190 mm. x 350 mm.
		<b>WHEEL BASE</b>	
<b>Firebox</b>		Driving	6m.400
Material	Steel	Rigid	4m.800
Staying	Radial	Total engine	12m.195
Length	3000 mm.	Total engine and tender	25m.320
Width	2445 mm.	<b>WEIGHT</b>	
Depth, front	2153 mm.	in working order	
Depth, back	2023 mm.	On driving wheels	115,000 kg.
		On truck, front	17,000 kg.
<b>Tubes</b>		On truck, back	20,000 kg.
Diameter	89 mm. 57 mm.	Total engine	152,000 kg.
Number	166 34	Total engine and tender	277,000 kg.
Length	5800 mm. 5800 mm.	<b>TENDER</b>	
		Wheels, number	Twelve
<b>Heating Surface</b>		Wheels, diameter	915 mm.
Firebox	21.94 m. <sup>2</sup>	Journals	152 mm. x 280 mm.
Combustion chamber	6.54 m. <sup>2</sup>	Tank capacity	44 metric tons
Tubes	302.75 m. <sup>2</sup>	Fuel capacity	22 metric tons
Firebrick tubes	1.39 m. <sup>2</sup>		
Thermic syphons	6.32 m. <sup>2</sup>		
Total	338.94 m. <sup>2</sup>		
Superheater	154.70 m. <sup>2</sup>	Tractive force	25,000 kg.
Grate area	7.34 m. <sup>2</sup>	Service	Freight

Construction No. 61,643 Built July 1931 Drawing No. 7  
 Equipped with Type E superheater, exhaust steam injector, stoker, two thermic syphons, power reverse, limited cut-off, auxiliary locomotive on tender (estimated to develop 6000 kg. tractive force), cast steel cylinders, and air brake on all driving and rear tender wheels with one 8 1/2" cross-compound pump.

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