

GE 45 Ton Switcher

Equipment: This locomotive is equipped with two 260 hp (225 kW) 2008-8.3 Liter Cummins diesel engines, each driving a generator which, in turn, drove one of the two traction motors, one per truck. This later model has chain drives inside the trucks to second axle. It's doubtful another unit has received as many upgrades as this locomotive of this type.

The GE 45-ton was extremely versatile and many variants existed. It has a high weight to power ratio, and has excellent traction, rated to be able to pull 20 loaded freight cars on level track. They were built with a short wheelbase for use in industrial plants, yards, and other places where clearances were tight. Although intended as switchers, they sometimes served mainline duties, although nearly all had an imposed speed limit of 20 mph (32 km/h) due to the double reduction gearing of their traction motors.

Year of Make	1958
Engines	
Power	2- 8.3 Litre Cummings Diesel Electric
Engine Manufacturing Date	# 1 -10/08/2008 // # 2 - 2008
#1 Engine Serial #	46959079
Manufacturing Serial #	563351130019
#2 Engine Serial #	46962564
Manufacturing Serial #	563351300019
HP	260 HP each
Generator	
Manufacturer	# 1 - General Electric
Dated	Oct-08
Model #	5GT-1519-A1
Manufacturer	#2 General Electric
Date	Oct 14/ 2007
Model #	5GT-1519-A1
General INFO	
Engine and Gen Hrs since new	1041 hrs
Trucks & wheels	reconditioned and upgraded/2008
Radiators	2-aluminum
Builder	GE Transportation Systems
Model	45-ton switcher
Build date	Friday, August 1, 58
AAR wheel arr.	B-B
UIC classification	B'B'
Gauge	4 ft 8 ½ in (1,435 mm)
Minimum curve	50 ft (15.24 m)

Locomotive weight	48 short tons
Prime mover	Two Cummins 6-cylinder
Engine RPM range	1,050 pound force-feet (1,424 N·m) @ 1,300 rpm, 260 horsepower (231 kW; 314 PS) electronically governed at 2,300 rpm
Aspiration	Turbo charged
Displacement	8.3 Litre/ 505 Cu. In.
Air Compressor	2 Cummings Engine Compressors (Picture in attached)
Traction motors	Two, one per truck. Chain or side rod drive to second axle on each truck (chains slack excellent and all in like new condition) (Picture in Attached)
Cylinders	6 in each of two engines
Air Reservoirs	certified 2 - 30 gallon tanks
Fuel Cell	100 gallon
Cylinder size	4+ ⁷ / ₈ in × 6 in (123.825 mm × 152.400 mm)
Top speed	20 mph (32 km/h)
Power output	550 hp
Tractive effort	27,000 lbf (120 kN)
Locomotive brake	Air
Train brakes	This feature was left as an option to serve as per different needs verses different applications.
Tractive effort	Est.,29,000 lbf (134 kN)
Drawbars	Non-Stabilizing
Electronics	12 volt and 38 volt systems//new EMD magnetic reverse station, new Hubbell Type 8 N/O power contactors and wire harness (wire diagram included)
Wiring	All new since 2008//Hubbell Power Contactors Type 8 N/O,,P/N 5980014/ electromagnetic reverser station
Horn and wipers	Air powered
Batteries	5 large- 12 volt/1- large 8 volt/ 12-12&8 in series , 2 parallel for 12 volt
Special Notes	This locomotive has been completely reconditioned in 2012, new paint and safety glass, easy access stairways on both ends. Remote Control option professionally removed. Step, by step Electric diagram included.
Test Track	yes, 1 mile available on site
Warranty	1 year from date of purchase
Additional	We can assist you with moving or shipment, riggings and training of operation railway equipment and engine servicing

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