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POWER.

ALTERNATORS

RAIL POWER

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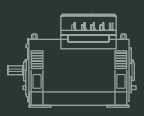

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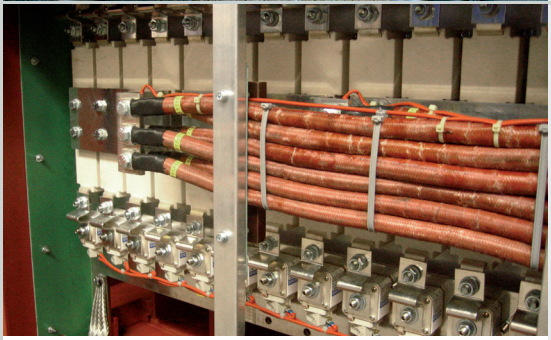
THE OLD LOCO

The old locomotive finished lifetime after 25 years in operation.
Transported iron ore from the mine ~30 km to the
port in Koruna/Sweden.



THE NEW ALTERNATOR

The new alternator replaced the old DC-generator.
The brushless AC-generator is coupled to a Cummins diesel engine with 1500 kW power input.
Getting DC-output a B6-rectifier bridge is integrated in the alternator. The cooling air stream through air filter from outside the loco flowing just over the heat sink of the rectifier and than through the alternator. This advantage prevents the diodes of pollution.

Technical Data:

Type:	SGS 9B 06T
Power:	2160 kW
Voltage:	800 V_{DC}
Current:	max. 4200 A_{DC}
Speed:	600 – 1800 rpm

THE NEW LOCO

The new locomotive brought into satisfied service beginning 2010. The customer LKAB is quite happy with the new alternator.

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