

BELAZ

GAS-POWERED DUMP TRUCK BELAZ-7540S



Powered on compressed or liquefied natural gas



Extension of engine longevity
by 30-40 %



Low gas cost in respect of diesel
fuel



Reduction of expenditures on
technical maintenance



Low level of emission of CO₂ and
heavy metals

COMPLEX SOLUTIONS

Delivery of gas-powered dump trucks combined
with the infrastructure of:

- stationary fuel-filling complex
- fuel storage systems
- mobile fuel-filling complex

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TECHNICAL CHARACTERISTICS

Series	BELAZ-7540
Modification	7540S
Payload capacity, MT	30
Engine	gas piston engine T 22-30
Work mode	gas-type
Fuel type	compressed natural gas GOST 27577 / liquefied natural gas, B Class GOST P56021
Nominal gas tank volume, l	544 (4X136) - for CNG
Efficient gas tank volume, l	490 - for CNG
Engine power, kW (h.p.)	324 (411)
Max. torque moment, N*m (r.p.m.)	1630 (1300 - 1900)
Specific fuel consumption at nominal power, g/kW*h	210
Tyres	18.00-R25
Transmission	5+2
Suspension	pneumatic hydraulic, conventional for front and driving axles on rods
Brakes:	with pneumatic drive
front wheels	shoe-type
rear wheels	shoe-type
parking brakes	shoe-type
auxiliary brakes	hydromechanic retarder
Dump body volume, m ³ : struck (heaped 2:1)	15,1 (19,2)
Turning radius, m	8,7
Overall dimensions, mm: length	7410
width	4560
height	3930
Operating weight, kg	22600
Gross weight, kg	52600
Max. speed, km/h	50
Application	This model is designed for transportation of rock materials in loosened condition on technological roads at open-pit mines at different climatic conditions. Depending on specific weight of the transported cargo, the greatest efficiency is achieved when operating with excavators or loaders with bucket capacity of 30-45 m ³ .

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