

bodies

# Specific *and* Superior

PHILIPPI-HAGENBUCH, INC. "Helping You Move Mountains®"

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HiVol®

SPECIALTY BODIES



PHIL HiVol® Steel Scrap Body

*PHIL Engineered Bodies maximize body size, minimize body weight and increase your payload and productivity. We've built hundreds of specialty body designs to date for hauling coal, flyash, overburden, rock, refuse, slag, taconite, ore, scrap steel – any material – and for any make/model of off-highway articulated or rigid frame truck.*



## The HiVol® Difference

The PHIL HiVol® Body will significantly exceed the standard OEM body payload capacity to give you more production per hour. And, it does this without exceeding your truck's maximum Gross Vehicle Weight (GVW). Here is a comparison of a typical 240 ton class truck hauling material weighing 1685 lbs per cubic yard:

Heaped Capacity	Standard OEM Body	PHIL HiVol® Body
Struck	153 cu. yd.	260 cu. yd.
3:1 Heap	180 cu. yd.	297 cu. yd.
3:1 Payload	151 tons	250 tons
2:1 Heap	193 cu. yd.	321 cu. yd.

The above comparison shows that trucks equipped with the standard OEM body are half empty on every cycle. Even using sideboards and ducktail extensions cannot surpass the payload capacity of the PHIL HiVol® Body.

**PHIL HiVol® Bodies** - Constructed with ultra-high strength, abrasion resistant steels. Our HiVol® bodies are constructed of steel with a nominal yield of 180,000 psi with a corresponding nominal Brinell hardness of 450+.

**Balanced Load** - Our HiVol® Bodies for lighter density materials are engineered to provide an ideal load balance of 1/3 on the front axle and 2/3 on the rear axle.

## BENEFITS

### Custom Built

Every PHIL HiVol® Body is constructed to meet your needs, using the highest quality materials and state-of-the-art manufacturing techniques.

### Lightweight, Heavy Duty

We use only high strength steel to build our bodies so your truck carries more payload with less body weight.

### More Rocks in the Box

PHIL HiVol® Bodies typically exceed the standard OEM body capacity to give you more production per hour.

### Options

- Solid top rail bar available to protect against constant loader bucket impacts during the loading process.
- Corrugated sides available to provide lighter-weight body options.