

CASE STUDY

↳ OEM Component Supply

**WEAR RESISTANT  
HOPPER FLOOR  
SWING LINKS**



↳ Steel specialists Abraservice, one of Europe's largest specialist steel processors and stockholders of abrasion resistant and high yield steel, are supplying formed refuse truck hopper parts to both OEM and maintenance markets.

"Our objective is quite simple - we support OEM and maintenance markets, by manufacturing the hopper floor swing link components in a wear resistant steel that best suits the customer's application needs. In this case CREUSABRO 4800 was used to extend wear life to the components and so reduce the vehicle downtime by up to 50 %."

↳ Adrian Hance,  
Abraservice UK Divisional Director

Formed and ready to fit hopper floor swing links can be supplied in a number of abrasion resistant steel grades to suit the specific application and usage. In this case, CREUSABRO 4800 was selected as a specialist steel that combines both resistance to abrasion together with a high level of toughness.

This combination was critical to the success of extending the wearlife of the manufactured swing link components and resulted in a 30 % reduction in vehicle downtime, improving the overall efficiency of the refuse vehicles. The in-house design and processing facilities offered by Abraservice UK coupled with knowledgeable product selection allowed satisfactory completion of the end components in both design and performance.

Abraservice also supply and form high yield steels, used for truck bodies including articulated collection hopper sections.

Abraservice UK supply a diverse range of abrasion resistant and high yield steel plate, in an extensive number of grades and sizes. This coupled with full technical support and material selection advice ensures Abraservice UK provide cost effective, customer focused solutions to complex applications.

↳ **Key Technical Data, CREUSABRO 4800**

Wear resistant steel that combines resistance to abrasion together with a high level of toughness.

<b>Applications</b>	Cement plants, quarry, mining and earthy moving equipment, block moulds, screen, steel production and recycling plants and vehicles.							
<b>Hardness</b>	340 HB-400 HB as supplied							
<b>Composition</b>	<b>C</b>	<b>S</b>	<b>P</b>	<b>Mn</b>	<b>Ni</b>	<b>Cr</b>	<b>Mo</b>	<b>Ti</b>
	≤ 0.20	≤ 0.05	≤ 0.018	≤ 1.60	≤ 0.20	≤ 1.90	≤ 0.40	≤ 0.20
<b>Thickness</b>	3-40mm							

contact Abraservice UK for full technical data sheet.

↳ **Benefits, CREUSABRO 4800**

- Excellent wear resistant properties
- Optimum combinatio of wear resistance to abrasion together with a high level of toughness
- Ability to work harden offers an increased wearlife of up to 50 % versus conventional 400 HB materials
- Suitable for applications in steel component production for recycling plants and vehicles

↳ **Processing Facilities**

- CAD/CAM Profiling
- Perforating
- Plasma Profiling
- Forming
- Laser Profiling
- Drilling and Countersinking
- Oxy-gas Profiling
- Bevelling
- DXF Compatible
- Welded Fabrications

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