



CASE STUDY

Use of Dual View Dumpers

Overview

Flannery Plant Hire is proud to have been the first hirer to order the unique Dual View dumper from Wacker Neuson. The initial sixty-unit order of the brand new DV60 (six tonne dumper) and DV90 (nine tonne dumper) demonstrated the hirers commitment to operator and construction site safety. Confirming the belief that this product is set to revolutionise the dumper market Flannery have continued to invest and now boasts the largest UK fleet with further investment in 2020.

What is a Dual View Dumper?

The innovative Dual View dumper trucks are primarily designed to operate as a rear tipping dumper.

When driving forward this gives an operator a much-improved field of vision with very few blind spots (when comparing to a forward tipping dumper).

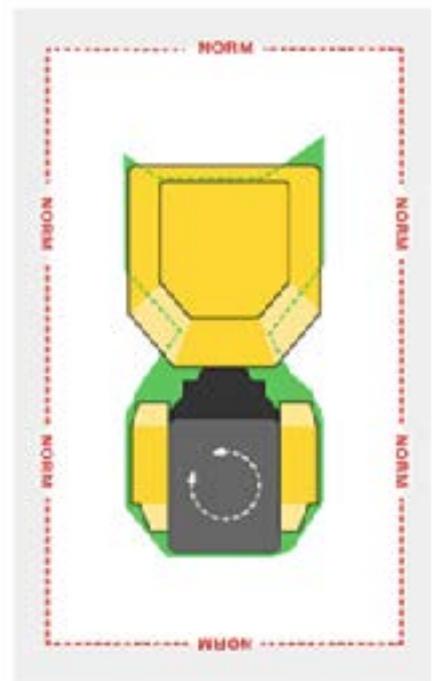
The entire seat operating console can be quickly and conveniently changed through 180-degree rotation.

This always gives the operator a perfect view in the direction of travel – during transport, loading and unloading. When in reverse speed is automatically reduced to further improve safety.

The Dual View stands out clearly from the requirements of the field of view standard ISO 5006: 2017.

Beyond the green marked area, the operator can see a height of 1.2 m from the cabin in the Dual View.

Beyond the dashed line, it is required to see a height of 1.2 m according to the ISO field of view standard.



Site

The Dual View dumpers were recently trialled on the East West Rail 2 Alliance (Volker & Lang O'Rourke Joint Venture) project that will re-establish a rail link between Cambridge and Oxford.

Equipment

The Volker Rail track team needed to haul a substantial amount of rail ballast in a confined area over a two-week period. Working closely with the site track team we provided six 9 tonne dual view dumpers.

Aside from the OPS guard on the skip and ROPS and FOPS Level II cabs, Flannery Dual View machines are also equipped with rear-view cameras and a proximity detection system to ensure risk in blind spots is mitigated as far as possible for operators.

The Trial

The fact that these machines offers 90% more visibility in the operator's field of vision than is required to comply with ISO 5006:2017 proved to be an obvious advantage to operators working in a busy site environment.

Aside from these advantages the ability to rotate the operator station avoids time-consuming turning and manoeuvring onsite, increasing efficiency and productivity.

The machines were all supplied with experienced Flannery Personal Track Safety accredited operators. As part of the Dual View introduction the Flannery training department worked closely with the CPCS to develop a specific training module for operators, prior to working on the new machines.

The familiarisation training provides the candidate with practical knowledge on how to safely operate the Dual View Dumper. The session is designed to upskill an operator who already has relevant experience and training operating a standard forward tipping dumper.

The combination of innovative product and behavioural lead training contributed to the trial being completed two-days ahead of schedule much to the clients delight.



Conclusion

"We aspire to lead the way in the equipment hire industry and feel strongly that the best way to do this is keep people safe and embrace innovation and change as it comes along.

We are committed to phasing out forward tipping larger dumpers and see this innovation as the start of that process".

Flannery Managing Director, Patrick Flannery