A Limited Slip Differential can help the loader maintain traction in adverse underfoot conditions. It is ideal if opposing tires are in different ground conditions (such as slippery vs dry).

A good example of LSD is when the Front Left tire is on dry flat concrete and the Front Right tire is on a patch of ice on top of the concrete. With LSD axles, power is transferred from the Right tire (which could spin) to the Left tire to maintain traction.

An LSD axle is most useful if the left side and right side tires are in different ground conditions.

Limited slip differentials are optional on all models. Reducing the potential for tire spin can make for a more confident and comfortable operator.