

WATER IN YOUR INTAKE SYSTEM

ARE YOU GETTING WATER IN YOUR AIR INTAKE SYSTEM?

When operating equipment in wet weather conditions, it is common for excess moisture to be drawn into the air intake system. This is particularly common in on-highway equipment which often operates at high speed in very wet weather.

Unfortunately, this moisture can have some undesirable effects including:

- Giving higher restriction readings
- Causing any residual dust to cake into mud
- Causing blocked vacuator valves
- Saturating some of the filter media
- Corrosion or water damage to intake system

There are a number of steps you can take to reduce, or even eliminate the impact of wet weather operation.

DID YOU KNOW

If your restriction indicator has locked at the maximum restriction level after operating in wet conditions, it may be because of water in your intake system.

To service the indicator, remove, clean and dry the indicator. Reset it and apply a small amount of vacuum. If it locks up again, reset and refit it. If it does not lock, replace it.

There are also ways of preventing much of the moisture in the incoming air from entering the air cleaner.

For on-highway applications, the use of an air ram will help to eliminate much of the excess water as the air is drawn into the intake.



For off-road equipment, the use of a good quality rain cap or stack-top moisture eliminator will remove up to 80% of moisture from incoming air.



An inline separator, mounted before the air cleaner will also remove up to 80% of the moisture (and up to 70% of dust in dry conditions!) from the incoming air and is suitable for both on and off road vehicles.



Another option is to install an in-line moisture skimmer, designed to fit in a horizontal position before the air cleaner.



None of these moisture reducing devices have any moving parts. They are virtually maintenance free, other than an occasional inspection during servicing. All will remove most of the incoming water from moisture laden air, giving longer filter life, reduced operating costs and better performance.

