

Essential ACTION CHECKLIST

A
FleetWatch
INITIATIVE

Air Filters

Watch that engine air cleaner!

Engine life is dependent on air filtration systems – replacement timing is most important – too soon and it can double engine wear! Dust is an inherent factor in Africa – keep those filters clean.

- Only clean dry air filter parts at correct intervals - with no interference in-between.
- A seal, to be inspected after each trip will ensure no tampering or theft has taken place.
- There should be an air-cleaner restriction indicator - this will tell you when the filter needs replacing. Drivers need to check every day and report on signals sent. They will be alerted by a warning light or a small vacuum-operated flag device on the clean-air side of the air cleaner element.
- Consequences of not replacing an air filter element are:
 - Loss of engine power
 - Over-fuelling of engine
 - Excessive black exhaust smoke
- Never remove or adjust any components felted to an air cleaning system – this must be done by a qualified technician.
- Excessive exhaust smoke indicates incomplete combustion in the engine chamber and can be caused by:
 - Not enough air supply
 - Blocked air cleaner or turbo-charger intercooler
 - Worn turbo charger
- Drivers must report excessive exhaust smoke – the colour and operational occurrence.



- Never remove a filter element and blow it clean with compressed air. This is false economy and should not happen in any workshop.

- Too frequent filter change intervals can double engine wear rate, especially if changed within the first 30% of the air filters life.

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