



Andhra Pradesh State Road Transport Corporation
Mechanical Engineering Department
Office of the VC& MD, Bus Bhavan, Hyderabad – 624

No : OP3/462(5)/2008-MED

CIRCULAR NO. 21/2008 – MED Dt. 22-09- 2008

Sub: **MAINTENANCE** – Periodical Maintenance of Dry Type Air Cleaners on Ashok Leyland vehicles – Certain instructions issued – Reg.

Ref: 1). Circular No: 12/2003-MED, dt.14.05.2003
2). Circular No: 18/2003-MED, dt. 09.06.2003
3). Circular No: 15/2006-MED, dt. 24.11.2006

The introduction of **Dry type Air Cleaners on Ashok Leyland vehicles**, its salient features and maintenance aspects have been elaborately described in the Circulars 2nd & 3rd cited.

It was instructed in the above circulars to ensure cleaning of Primary Filter of Air Cleaner whenever a **Red band** is appeared in the **Service Indicator (Restriction Indicator)** fitted near the Dashboard. It was also instructed to replace the Primary filter with a new element at the third instance of Red band appearance and replace the Secondary (Safety) element at the time of third replacement of Primary element.

Therefore, the Service Indicator plays an important role in knowing the condition of Air Cleaner which otherwise may lead to operation of engine with choked Air filters. **Choked Air filters not only affect the performance of the engine drastically but also lead to seepage of engine oil into the air intake manifold through the shaft seals of Turbocharger.**

But, it is observed during the inspection of Depots that the Service Indicators are not being utilized properly for timely cleaning/ replacement of Air filter elements. At some places, the pipe connection between the Air Cleaner and Service Indicator is found removed allowing the unfiltered air to be sucked into the intake system.

In order to ensure fool-proof system of cleaning/ replacement of Air filter Elements in the event of non-functioning of Service Indicators, **it is decided to prescribe a standard periodicity for cleaning and replacement of Dry Type Air Filters on Ashok Leyland vehicles** as being done in the case of Tata vehicles.

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S.No	Description of activity	Periodicity
1	Cleaning of Primary Filter element	During every Sch.III (or) on observing Red band in Service Indicator, whichever is earlier
2	Replacement of Primary Filter element	At every 72,000 kms
3	Replacement of Secondary (Safety) Filter element	At every 2,16,000 kms

The Computers Department is being advised through the copy of this circular to make suitable modifications in the VEMAS module to obtain advance programme for replacement of Air Filter Elements as mentioned above.

The Depot Managers & Maintenance Incharges are hereby advised to implement the above instructions with immediate effect and avoid delays in cleaning/ replacement of Dry type Air filter elements on Ashok Leyland vehicles.

The Dy.Chief Mechanical Engineers are advised to monitor the implementation of the above instructions duly ensuring the stocking of adequate quantity of Air Filters at all the Depots.

EXECUTIVE DIRECTOR (E&IT)

To
All Depot Managers.

Copy to : VC & MD for kind information
Copy to : All Executive Directors, FA, CAO & Director (V&S) for information
Copy to : CE(IT) with an advice to make provision for advance intimation of Air filter element changes in VEMAS module and communicate to Depots.
Copy to : All HODs for information
Copy to : All Regional Managers for necessary action.
Copy to : All Dy.CMEs for necessary action
Copy to : All COS' for necessary action
Copy to : All WMs for necessary action
Copy to : All Principals, ZSTCs & Director, TA/HPT for information
Copy to : All Maintenance incharges for necessary action
Copy to : Manuals section for record.