



Andhra Pradesh State Road Transport Corporation

OP2/462(3)/2024-MED

O/o the VC & MD,
RTC House, VJA-13,
Date: 16.04.2024.

To
All Dy.CMEs(Zone),
APSRTC.

SUB:- Maintenance – Flushing of Cooling System of Vehicles – Instructions issued
– Reg.

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You are aware that the summer season has already set in and overheating of engines will crop up during summer season. To protect the engines from overheating complaints, we have to undertake special drive for flushing of Cooling system, otherwise the Vehicles may fail enroute causing inconvenience to the passengers and tarnishing the image of the Corporation besides impacting fuel efficiency. Further, demand for Engines will also increase where the Workshops may not cope up with the increased demand.

As per existing instructions, flushing of Cooling system will be taken at the Depots periodically besides special drive before the summer. However, the procedure involved in flushing of cooling system supplied by M/s Hi-Tech Refineries (I) Pct. Ltd., (who is the supplier of flushing compound) is furnished overleaf. The cooler plate shall invariably opened and cleaned after flushing since the sediments will accumulate at cooler plate area which will cause chocking of radiator.

In this connection, all DyCMEs are advised to ensure in their respective depots flushing of cooling system for all vehicles as per the procedure appended overleaf scrupulously to protect the Engines from overheating and avoid enroute breakdowns in the hot summer season. Adequate flushing compound, radiators, water pumps, thermostat, cooler plate with packing, viscous fans, suitable hose pipes, hose clips, fan belts shall also be stocked to meet the demand.


Executive Director(E)

Copy to all ED(Zones) for information.
Copy to all DPTOs for necessary action.
Copy to all COSs for necessary action.



HI-TECH REFINERIES (I) PVT. LTD.

No. 8, Sagar Tarang, Patilwadi, Nandivli Road, Dombivli (East), Maharashtra - 421201.

Phone : 0251-2880648 • Mobile : 098214 48952

Procedure for Flushing Bus Engine

1. Have enough length of plastic pipe to connect running water tap to the radiator for continuous water supply for flushing.
2. Open the drain plug of cylinder Block **COMPLETELY** so as to drain water alongwith sludge. Please **DO NOT** keep it loose. If it is kept loose, the water will be drained & sludge will remain inside the engine.
3. Open the Radiator valve to drain the water / coolant.
4. Remove the engine water outlet hose pipe & Thermostat.
5. Keep the running water pipe in the radiator & start the engine so as to clean sludge in the system. Observe the water coming from drain plug, when the water is clean, tight the drain plug & radiator valve, also fix the engine water outlet hose pipe. Ensure Thermostat is removed.
6. Keep the running water pipe in the radiator & fill water upto bottom of top tank of radiator & then remove the running water pipe. Add One Litre of Hi Tech CSFC to the Radiator. Start the engine & raise the engine in every five minutes. If the water level goes down, add water slowly by a Mug.
7. After Thirty minutes, keep the running water pipe in the radiator & pull the engine water outlet hose pipe, so as to drain the flush water.
8. Then open Cylinder Block drain plug, Radiator valve to drain flush water from all three outlets. Give continuous water supply for Ten to Fifteen minutes & ensure clean water is coming from drain plug. Thereafter stop water supply & allow the water to drain completely from the system.
9. Confirm the Thermostat is in working condition, if so clean & install.

For any clarification may call : Mobile : 09821448952 (24 X 7 Service)