

AIR PRESSURE TESTING OF RADIATORS

EACH RADIATOR ASSEMBLY AFTER MANUFACTURING AND BEFORE PAINTING SHALL BE AIR PRESSURE TESTED AS BELOW :-

1. BLANK THE RADIATOR PROPERLY BY KEEPING PROVISION FOR APPLYING AIR PRESSURE & FOR MOUNTING PRESSURE GAUGE.
2. PUT THE RADIATOR IN HORIZONTAL POSITION IN A TANK FILLED WITH CLEAN WATER. APPLY AIR PRESSURE OF 2 Kg/cm² (196KN/m²).
3. CHECK MINUTELY FOR ANY AIR BUBBLES COMING OUT FROM RADIATOR. LEAKAGES IF ANY SHALL BE IDENTIFIED AND MARKED.
4. AFTER RADIATOR IS REPAIRED, IT WILL BE AGAIN TESTED AS PER SL. NO.2 & 3. THIS WILL BE REPEATED TILL NO AIR BUBBLES ARE OBSERVED TO CONFIRM ITS LEAK PROOFNESS.
5. IN THE FINAL DIP (WHEN NO AIR LEAKAGE IS OBSERVED FROM - THE RADIATOR), THE RADIATOR SHALL BE KEPT ATLEAST FOR 15 MINUTES. AIR LEAKAGE FROM BLANKING/VALVE ETC. IS PERMITTED.
6. DURING THIS PERIOD(SL.NO.5)BOTH SIDES(BY TURNING THE RADIATER BY 180°) WILL BE CHECKED TO ELIMINATE THE POSSIBILITES OF VERY FINE LEAKAGES FROM BOTTOM SIDE GETTING UN-NOTICED.
7. AFTER AIR PRESSURE TESTING, ALL RADIATORS SHALL BE FLUSHED WITH CLEAN OIL.
8. FBM QC WILL KEEP THE RECORD OF EACH RADIATOR TESTED.
9. FOR APPLYING AND MEASURING PRESSURE THE MOUNTING FLANGE OF RADIATOR SHALL BE USED.
10. DURING TESTING OF RADIATORS AT MANUFACTURER WORKS THE DRAIN PLUG AND AIR RELEASE PLUGS SHALL ALSO BE CHECKED FOR LEAKAGE.

REF

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TR10086R

REVISIONS	DATE	02	NOTE-7 MODIFIED.	DISTRIBUTION	APPROVED BY	TR 10086 R	
	BY		<i>(Signature)</i>	TRE/TM/FBM	<i>(Signature)</i>		
	NO.	03	SHEET REAPPAIRED	TCX (TR) /	PREPD. A.K.SINHA ROY		
			AKG 21/1/10	TTG / QC/BA	ISSUED BY		DATE
				/ JHANSI	TRE/STD	2.6.88	PAGE 1 OF 1