

DIRECTORATE GENERAL BORDER ROADS
GENERAL REPAIR INSTRUCTION NO. 138

ON

OVERHAUL OF 692 D1 ENGINE TATA 1210 D

Summary

Premature failure report on overhauled engine was raised by 1062 Field Wksp. Defect "Leakage of engine oil past the 7th Main Journal." The case was investigated by Eastern Base Workshop and TATA Service Engineers. Additional information for leakage of oil from Air Compressor and rear Axle is also provided.

Item effected

7th Main journal, Air Compressor and Rear axle.

Action By

User units, Field Workshops and Base Workshops will take action as per details given below :-

Engine

Some quantity of engine oil may leak through 7th main bearing. As long as it does not result in engine oil consumption exceeding 0.3 litres per 100 Km and oil leaking past the 7th main bearing do not result in clutch slippage, hence no action need be taken in this regard. If the quantity of oil leakage exceeds then premature report will be raised.

Air Compressor

A certain amount of engine oil may be found in the delivery lines of the air compressor. This does not constitute a complaint and no corrective action is required to be taken. As long as the quantity of oil passing through the delivery lines does not exceed approximately 2 cc per 80 hours of engine running at full load, full speed condition, the above presence of oil may be considered as normal.

Rear Axle

Some amount oil rear axle oil does travel into the hub post the baffle plate. The missing of oil and grease is not detrimental to the life of the wheel bearing.

But it should be ensured that this does not leak past the rear oil seal and go on to the brake liners, which will impair the braking action.

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