



INA Service Info



Belt-in-oil timing belt

Premature wear due to unsuitable engine oil

Manufacturer: Ford

Engines: EcoBoost
EcoBlue



Figure 1: Unsuitable engine oil will cause premature failure of the timing belt

See parts catalogue for current assignment

On EcoBoost/EcoBlue engines from the above-mentioned vehicle manufacturer, unusual wear of the belt-in-oil timing belt can occur. The damage profile is characterised by parts detaching from the timing belt, which can then lead to blockages of the engine oil intake pipe and the oil channels. If the deterioration is not detected in time, the possibility of serious engine damage cannot be ruled out.

To check whether a vehicle is exposed to this hazard, an unbroken history of the engine oil used must be traced. Even a small amount of unsuitable engine oil, e.g. if the oil has been topped up when refuelling, can initiate the deterioration process of the timing belt. If there is any doubt about the engine oils used to date, the oil filter of the vacuum pump can be checked when the vehicle is undergoing maintenance or re-pairs. If deposits in the form of parts of the timing belt are already visible here, it is likely that unsuitable engine oil has been used. In this case, the timing belt should be checked as soon as possible and re-placed if necessary.

If the timing belt is changed due to this issue, all parts that convey oil may be affected. Depending on the degree of contamination, it is recommended to check that oil passages are not obstructed and to flush them where possible. It cannot be ruled out that the oil pump may also have to be replaced in severe cases. To ensure the long-term operational reliability of the new timing belt, only an engine oil that complies with all approvals issued by the vehicle manufacturer may be used during further operation. Affected garage customers should be made aware of the importance of using approved engine oils.

Please observe the vehicle manufacturer specifications!

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