



STAR ONLINE PUBLICATION



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Symptom/Vehicle Issue: 3.0L Ecodiesel Engine Oil Information

Discussion: There has been continued confusion from the field as to which engine oil is recommended to use in which generation of the 3.0L Ecodiesel. Although the same weight of oil is recommended on both generations, the API rating for these oils is different. The different API ratings are not compatible between both generations of engine. The following information outlines which oil is recommended based on which generation Ecodiesel you are working on.

GEN 2, 3.0L Ecodiesel Engine Oil Specification:

The GEN 2, 3.0L Ecodiesel is available in all 2014-2019 DS (Ram 1500) and WK (Jeep Grand Cherokee) vehicles. The recommended oil for the GEN 2, 3.0L engine is a 5W-40 weight full synthetic engine oil such as Mopar part numbers 68001332PB and 68231021GB, or Shell Rotella, that meets FCA Material Standard MS-10902 and the API **CJ-4, ACEA E9/E7, or ACEA A3/B4** engine oil categories.

GEN 3, 3.0L Ecodiesel Engine Oil Specification:

The GEN 3, 3.0L Ecodiesel is available in all 2020 and newer DT (Ram 1500), JL (Jeep Wrangler), and JT (Jeep Gladiator) vehicles. The recommended oil for the GEN 3, 3.0L engine is a 5w40 weight full synthetic engine oil such as Mopar part numbers 05166241PA and 05166241GA, or Penzoil Platinum Euro, that meets FCA Material Standard MS-12991 and the API **SN or SN+** engine oil category.

Using the oil specified for the GEN 2 engine in the GEN 3, will lead to deposits forming in the turbo charger, leading to reduced performance.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found