
Oil sludging in OM 642 engines

Topic number	GI01.10-P-056315
Version	2
Design group	01.10 Complete engine
Date	08-29-2014
Validity	Model designation 164124, 164824, 251124, 164125, 164825 and 251125 with OM642 BIN5 EU6 Model designation 221122 with OM642 EU4, UK only Model designation 463336, 463306 and 463346 with OM642 BIN5 EU6
Reason for change	Formulation in Remedy field revised

Complaint:

Sludging of engine oil.

Cause:

Oxidation of engine oil.

Remedy:

Important information on handling sludged engines and installing a new engine:

It is not sufficient merely to install a new engine. Also make sure that the following components are fully functioning:

- Air filters >>> Visual check, plus check load level in Star Diagnosis - These may be clogged
- Exhaust sensors >>> Carbonized
- DPF >>> Loaded, visually inspect for damage and dirt
- CAT >>> Visually inspect for damage and dirt - First indications are carbon-fouled tailpipes
- Radiator >>> Blocked
- After installation of the new engine, the IMA/ ISA values must be rewritten and taught in, and the HFM must be reinitialized
- Document the new engine in VeDoc
- Encode the repair under the damage code 00001 BE

Important note: For the vehicle model designations listed, only use oils from the specification 229.52 when changing the oil. For further information also refer to SI18.00-P-0013A.

Important note: Before commencing the repair operation "Replace engine", please submit an ESKULAB query in order to clarify in advance the cost aspect and also the necessity for any warranty claim.