



SIB 11 01 24

SERVICE SOLUTION: M/S Model, Oil/Coolant Pump Leaking

2024-05-24

**MODEL**

Model	Model Description
K63	S 1000 R
K66	M 1000 RR
K67	S 1000 RR
K69	S 1000 XR
KM3	M 1000 R
KM9	M 1000 XR

## SITUATION

- Coolant residue found on the oil sump.  
And/or
- Coolant level in the expansion tank is too low.

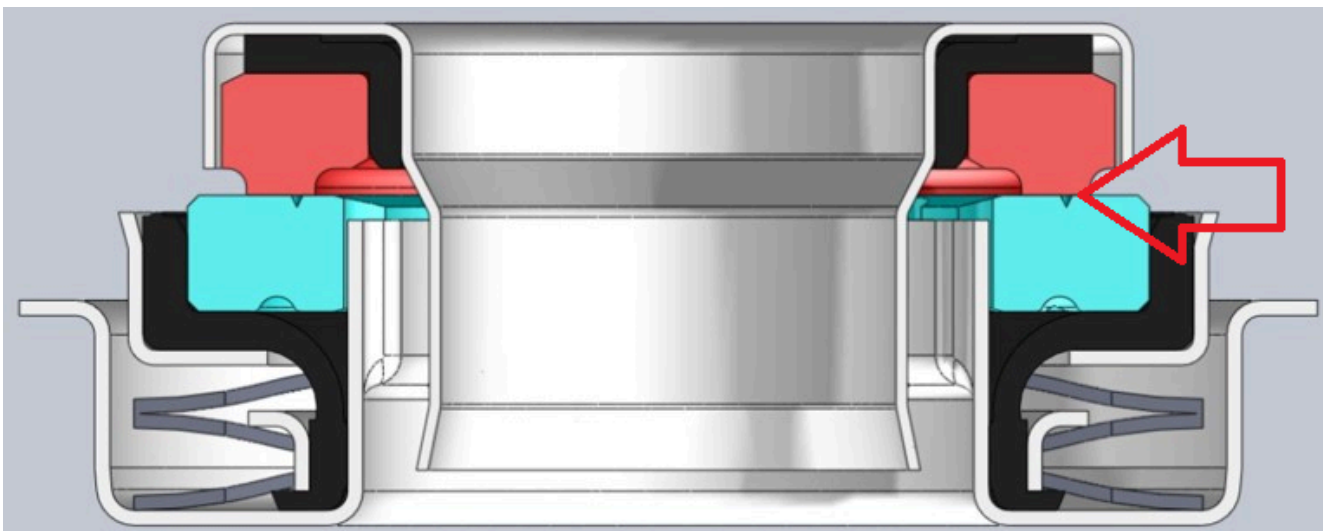
It has been found that the oil/coolant pumps are often replaced without there being an actual leak.

Due to the design these pumps can drip in small quantities.

### Explanation of the tightness concept of this mechanical seal:

The sealing surface (area between the red and blue) is created by the formation of a liquid-gaseous lubricating film between the sealing rings that slide on top of one another. This cannot always be 100% guaranteed when the engine starts, or when the system is contaminated. As a result, individual drops can collect on the drainage hole and deposits are left on the oil sump when it dries.

**This does not mean the pump is faulty.**



## PROCEDURE

- If Coolant residue is found on the oil sump.
- Clean the coolant residue from the drainage hole.
  - Let the engine run till the fan turns on twice.

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- Check for coolant at the drainage hole.
  - If no coolant is present. No further action is required.
  - If coolant is present, continue to check coolant level.

If after checking the coolant level in the expansion tank and coolant is too low.

- Check oil for contamination.
  - If contaminated oil is present, you must determine if the contamination is from the oil/coolant pump or not.
- Check coolant system for leaks to identify where the coolant is escaping.
  - Repair as needed.
- If no coolant leak is detected and there is a loss of coolant and there is coolant residue on the drainage hole.
  - Is **the only time** to replace the oil/coolant pump.

**NOTICE:** The pinion must be disassembled to install the new pump. The nut for this pinion is fitted with a mechanical lock is one time use and **MUST be REPLACED!**

In addition, the screw locking agent (Loctite 270, high-strength) must be used.

## [QUESTIONS REGARDING THIS BULLETIN](#)

Technical inquiries	Contact the BMW Technical Support Group via TSARA
Warranty inquiries	Submit an IDS ticket to the Warranty Department
Parts inquiries	Submit an IDS ticket to the Motorrad Parts Department

Supporting Materials

[picture\\_as\\_pdf 11 01 24 SESO - M and S model oil-coolant pump leaking.pdf](#)

