



SPYDER 1330 Poor Engine Performance - 140654

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Version 1

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Summary:

Missing or damaged scavenge pump components could lead to poor engine performance on 1330 engines.

Type:

General

TST Detail:

Problem:

Missing or damaged scavenge pump components could lead to poor engine performance on 1330 engines. The lack of power can also be the same if the engine is oil overfilled.

The main symptoms are;

- Lack of power complaint from the customer
- Black smoke can be noticed from the exhaust tip
- The engine has a hard time reaching high RPMs, mainly noticeable above 4000-5000 rpm.

This TST ([ROADSTER Engine Oil Level Reading Issue - 134170](#)) can also be useful.

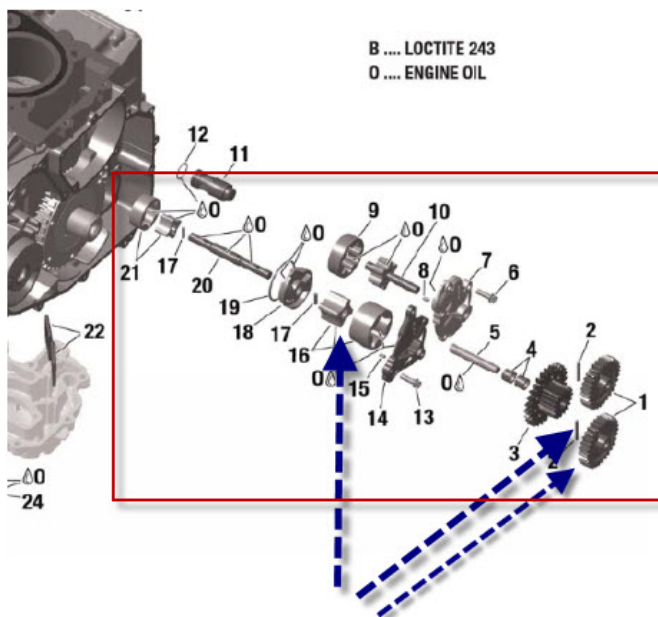
Solution:

Check the oil level. In case of any doubts, you can drain the oil and measure the oil quantity to make sure the engine does not exceed the amount of oil in it. At the same time, check if there is any black plastic debris that might be related to the pump driven gear. Also, we have seen cases with the scavenge pump missing parts from production, so it is important to disassemble all pump components and inspect them.

Inspection Procedure:

• Scavenge pump left engine side:

Check oil pump drive gear P/N 420435170 and scavenge pump P/N 420956278 & all components related to the pump.





Warranty:

If the unit came in for this specific issue, AND if the unit is in the normal warranty period, normal warranty applies

Attachment:

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