

## S5000 TECHNICAL BULLETIN

Date	26/05/22
Topic	Engine Oil System
Priority	Optional

### PROBLEM:

With the existing engine oil system there has been excessive oil breathing through the catch tank filter at oil levels that are required to minimise oil pressure surge.

### SOLUTION:

We have redesigned the oil tank tower to improve the oil/air separation and make the system less sensitive to oil level.

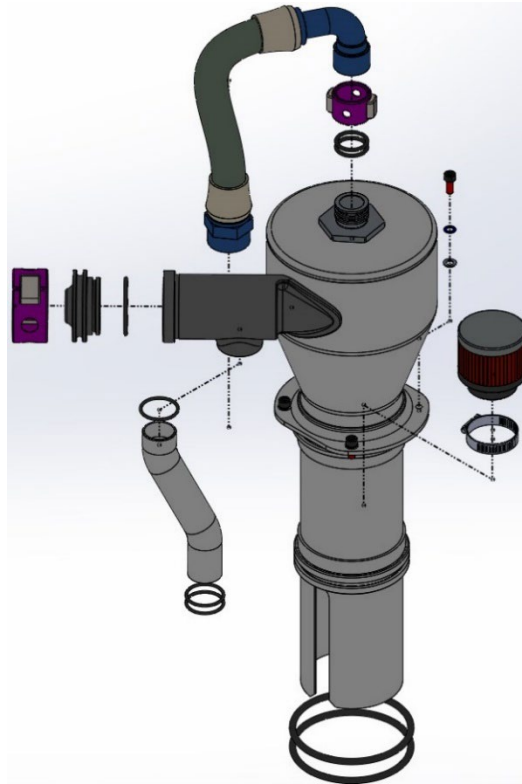
The new oil tower requires a new dipstick (New P/N: GRM-AW0479), the new recommended oil level is at the **7L** mark.

The change over of oil tower utilises many of the existing components/seals, this includes:

- K&N Breather but fit it to the left-hand side.
- Return Engine Oil Filter with Cap and Wiggins Clamp.
- O-Ring (BS120) Hard Line to Tower.
- 2x O-Rings (BS120) Hard Line to Bell Housing.
- 2x O-Rings (BS235) Tower to Bell Housing.
- 4x SHCS M5x0.8 12LG bolts with washers to fasten Tower to Bell Housing.

The new kit consists of the following parts:

Part Number	Description	QTY
GRM-AQ0420-03	ASSEMBLY, OIL TOWER WELDED S5000 - OIL SYSTEM	1
GRM-AQ0441-00	WELDED ASSEMBLY, AIR SEPARATOR S5000 - OIL SYSTEM	1
GRM-AQ0442-00	ASSEMBLY, OIL TOWER BREATHER LINE S5000 - OIL SYSTEM	1
GRM-AQ0429-01	HARDLINE TUBE, RETURN OIL FILTER S5000 - ENGINE	1
GRM-DD0130-00	WIGGINS CLAMP, DASH 12 - WIGGINS(W991-12DE)	1
GRM-DB0018-00	ORING, BS117 - SEALS	2
GRM-DA1146-00	PAN-TY CABLE TIE, FASTENER	2



**FIGURE 1**



**FIGURE 2**

Any questions please contact [s5000@grmotorsport.com.au](mailto:s5000@grmotorsport.com.au)