



## TECHNICAL BULLETIN\*

Thank you for your purchase of RIPP Superchargers products - RIPP Superchargers is committed to providing the best experience from start to finish with all of our products.

This bulletin is in regards to a 2019+ Jeep Wrangler JL/ Gladiator equipped with the newest generation Pentastar 3.6 or more commonly known as the PSU engine. RIPP has accumulated more testing miles than all of our competitors combined and accrued very useful information to stabilize the program. This testing allows RIPP to gain an accelerated knowledge of the engineering impact of supercharging a new PSU engine. It has been our experience that the PSU engine is sensitive to the engine oil used and oil change intervals suggested by the manufacturer. Additionally PSU equipped vehicles, in our opinion should all be considered as outlined in the FCA provided manual used under "severe duty operation" like supercharging and towing. **We have monitored engine oil temps, pressures, consumption, blow-by and oil change intervals and determined that following the manufacturers' recommendations is not advisable. Please stay away from engine oils labeled Dexos1 (one) GEN2 or BMW LL4 (Long Life) specifications as these oils have proven to break down drastically in the PSU engine and we've found more blow-by caught in our catch can system when in use. Additionally please change the oil grade from 0W-20 to 5W-40.**

### Technical bulletin summation oil use:

- No 0W-20 grade oil under any circumstance
- No Dexos1 GEN2 Blended oil at all (EVER)
- No Oil stating or using the term BMW -LL4 (Long Life) compatible
- No FRAM oil filters as they have been known to be too restrictive

### \*Examples of engine oils nationally available in 5w40 grade:

- Castrol EDGE 5W-40
- Liqui Moly Leichtlauf High Tech 5W-40
- Lucas SYNTHETIC 5W-40
- Mobil 1 5W-40
- Motul 8100 X-cess 5W-40

### \*Examples Oil Filter brands we have positive experience with:

- K&N Oil filter
- Purolator
- WIX

### \*Oil changes every 3000 miles:

- When changing oil please use 6 quarts of oil not 5
- Disregard the OIL INTERVAL SYSTEM in the dash board or switch to a two oil change per service interval system; Whereas at 50% left have the end user change the oil/filter and then again at Maintenance Needed notification (6000miles)
- The use of a filtered and quality Catch Can System is highly recommended in all PSU engines especially boosted applications driven in dust and idling for long periods of time.
- Please refer to the FCA provided service manual for your PSU powered vehicle and refer to the Severe-Duty/Heavy Duty/Towing portion of the manual with regard to oil change intervals.

X  Date:

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