

## NPS ENGINES

Break In Procedure &  
Recommended Accessories.

**GSXR** - 600, 750, 1000  
Series R Engine



NIAGARA POWERSPORTS  
2268 Youngstown-Wilson Rd.  
Ransomville, New York 14131  
United States of America  
npsengines@gmail.com  
npsracing.com  
716-791-4325

### Recommended Accessories, Fluids and Fuels.

<u>Accessory</u>	<u>Manufacturer</u>	<u>Part #</u>	<u>Qty.</u>
Break-In Engine Oil	Maxima 10w30 Break-In	NPS-BIO-1030	4
Race Engine Oil	Maxima Extra 10W60	NPS-EX-1060	4
Oil Filter	HiFlo	NPSHF-138r	1
Spark Plugs	NGK	NPS-CR10e	4
Oil Pan	Pro	NPS-BOP-G6	1
Crankcase Breather Kit	NPS Inc.	NPS-CCB-1	1
Fuels	VP	U4, MR12	5

### Recommended Start Up Procedure.

- Set spark gap (.030") and install the recommended spark plugs.
- Add 3.5 to 4 quarts of the recommended **Break-In** engine oil.
- Fill engine oil to the top of the oil level sight glass on the right side of the engine.
- Loosen oil filter and verify oil flow by cranking starter with ignition and fuel delivery system disabled.
- Tighten oil filter and reset engine oil level.
- Add fuel to your fuel delivery system and purge air from the injection system.
- Enable ignition and fuel systems.
- Start engine and let it run for 1 minute.
- Turn off engine and let it sit for 3 minutes.
- Check engine oil and all fluid levels.
- Start engine and let it run to 160 °F at various throttle, then turn engine off.
- Let engine set for 5 minutes.
- Check all fluids and set levels.
- Start engine, while using various RPM's bring temps to 185°F and turn engine off.
- Change engine oil to recommended **Race Oil**. Check and set all fluid levels.

### Practice Session and Race.

- Bring engine up to 180°F in your pit before entering the race track.
- Keep engine below 12k RPM and below **200°F** for 5 practice laps.
- Return to pits.
- Turn off engine and let it sit for 5-10 minutes.
- Check all fluids and levels.
- Restart engine and bring up to 185°F then turn the engine off.
- Check all fluids and levels.
- Start engine and bring up to 180°F before entering the racetrack for Racing.
- Keep engine off rev limiter at all times.
- Keep engine below **200°F** at all times.

\*Not following these recommendations and procedures can seriously effect your engines integrity and optimum performance.\*