

SUSPENSION & STEERING C06

POWER STEERING PUMP

- THE BEST COMPONENTS
- QUALITY INSIDE
- NOISE: MEASURING QUALITY
- TIPS FROM THE EXPERTS



All New, OE Quality Materials that are engineered to offer leak-free performance and unparalleled durability.



Bearing and Seals

- World-class **NSK bearing with ISO class 6 tolerance (P6)** specifically designed for high speed shaft rotation.
- **Premium FKM rubber seal** that can withstand maximum pressure up to 25 MPa (~3626Psi) from -40°C to 250°C.



Sliding Vanes and Rotor

- Manufactured with OE dimensional tolerances, tested to reach optimal volumetric efficiency between 80-90% at every RPM.
- ⚠ Insufficient volumetric efficiency can lead to noisy pump, overheating and stiff or loose steering.

Power steering pumps can rotate up to 7,500 rpm; rapidly increasing operating temperature and pressure.



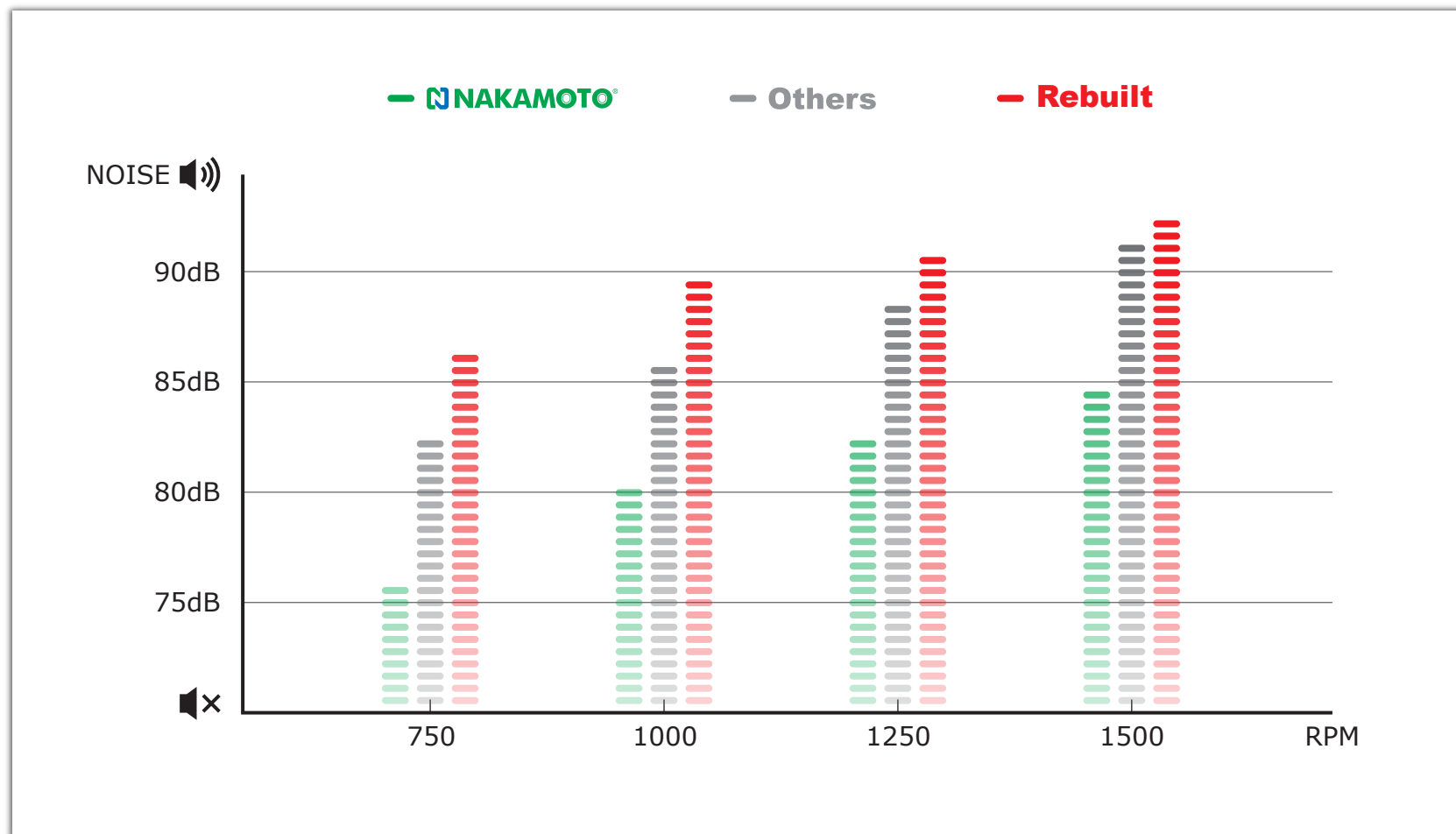
After 24 hours durability test at 1,500 rpm, Nakamoto's pump remains leak-free and the FKM rubber seal remains true to form.

Inferior pump's rubber seal begins to deteriorate, causing premature leaks.



⚠ If not remanufactured properly, worn surfaces will continue to generate debris and can cause permanent damage to the steering system.

The true measure of quality, our engineers pay special attention to the NVH of our power steering pumps.



Noise-Free = Quality = Maximum Performance.

Avoid premature failure by following professional instructions!

Preparation

- Fill up the new pump in advance to remove air in system.
- Check OE manual for CORRECT fluid application.
- Drain and flush the power steering system.
- Inspect hoses, gear, and reservoir for signs of leakage.



Air Bleeding is REQUIRED!

