



SHRIRAM PISTONS & RINGS

MD: TS: 23/NOV' 23

INTRODUCTION CIRCULAR – **PIAGGIO APE DSL/ CNG 'OSR'**

USHA is pleased to launch **Piaggio Ape Diesel/ CNG 'Oil Saver Rings' (OSR)** in its 3 wheeler aftermarket product range with '**lower end gaps**' especially for re-ringing job.



The ring set will be packed in all new **Blue coloured Cardboard box** containing 25 nos. ring set pouches with  sticker pasted on both i.e. on pouches & outer box packaging as shown:

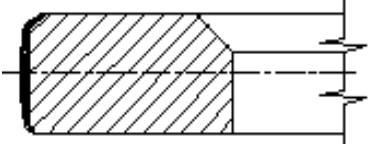
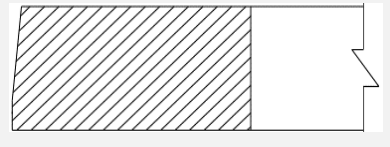
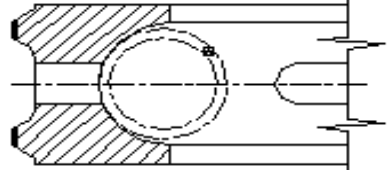


This ring set has following special features:

| ITEM | CONFIGURATION | FEATURES | BENEFITS TO CUSTOMER |
|----------------------|---|----------------------------------|--|
| Top Ring | Special Steel Inside Bevel Chrome {CRIBSS} | Special Steel Material (RIK-20A) | Top ring is manufactured using special steel alloy which has properties similar to steel. This material has good elasticity and excellent resistance to twisting, breakage & wear etc. |
| | | Inside Bevelling | This ring has a bevel cut on its top inside face which facilitates ring to twist positively during downward movement & provides better sealing. |
| | | Parkerising | Side faces are parkerised to provide porous surface for oil retention resulting in better lubrication and lesser wear. It also prevents rusting & enhances shelf life. |
| | | Chrome Plating | Outer periphery of the ring is chrome plated which provides excellent wear & scuff resistance. |
| 2 nd Ring | Taper Compression {T} | Taper face | Ring has a Taper on OD to provide line contact with liner resulting in higher wall pressure, hence better sealing. |
| | | Parkerising | Ring is fully parkerised to provide porous surface for oil retention resulting in better lubrication and lesser wear. It also prevents rusting & enhances shelf life. |

| | | | |
|-----|---|---|---|
| Oil | Spring Loaded Chrome Plated Cast Iron Profile Ground {HTCR (PGV)} | Highly Conformable | Ring is provided with a variable pitch coil spring making it highly conformable with the bore ensuring perfect sealing & excellent oil scrapping at all times. |
| | | Chrome Plated & Profile Ground Ring Lands | Ring lands are made uniform throughout the periphery for an effective sealing and efficient scrapping of oil due to sharper edges. Chrome plating provides excellent wear & scuff resistance. |
| | | Parkerising | Side faces are parkerised to provide porous surface for oil retention resulting in better lubrication and lesser wear. It also prevents rusting & enhances shelf life. |

Technical data of **Piaggio Ape DSL/ CNG 'OSR'** series ring set is as under:

| TECHNICAL DATA- PIAGGIO APE DSL/ CNG - 'OIL SAVER RINGS' (ø 86.00 mm) | | | | | | |
|--|--------------------|----------------------|------------|--------|----------------------------------|---|
| | | | | | | USHA Code → S33OSR |
| Ring | Ring Configuration | Axial Thickness (mm) | Closed Gap | | Surface Treatment | Cross Section |
| | | | (mm) | (Thou) | | |
| Top | CRIBSS | 2.00 | 0.15-0.35 | 06-14 | Chrome Plating/ Parkerising |  |
| 2 nd | T | 2.00 | 0.40-0.60 | 16-24 | Parkerising |  |
| Oil | HTCR (PGV) | 3.00 | 0.15-0.35 | 06-14 | Chrome Plated lands/ Parkerising |  |

USHA **Piaggio Ape DSL/ CNG 'OSR'** series ring set is specially designed with '**lower end gaps**' to minimize oil consumption & blow-by while doing re-ringing job for an excellent performance



Technical Product News is an exclusive update of product & information from
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