

EVERY™ PART GENUINE

To unleash the power of your engine, use only genuine parts.

To ensure uptime of your assets always insist for Genuine Parts only.

Dear Customer,

ONLY GENUINE PARTS DELIVER THE POWER

No matter which model of engine you use, you get legendary performance and long term durability. But accumulated wear at the end of a normal service life can take its toll. That's why you need Genuine Parts to keep your engine running smoothly.

WHY INSIST ON GENUINE PARTS?

- **Guaranteed for performance:** Ensuring maximum efficiency and output.
- **Continuous Product Updates:** Genuine parts feature product updates with re-engineering that takes advantage of over four decades of experience and development.
- **Strict Specifications:** Genuine Parts meet precise engineering and material specifications.
- **Special Testing:** Advanced stress and durability testing provides the ability to withstand extreme operations.
- **Value for Money:** Minimizes the chance of component failure, drastically reducing costs due to collateral damage or unplanned engine teardowns.
- **Customer-Focused Research:** Continuous research and development ensures products are consistently optimized for long-term field reliability.

Performance Testing Insights:

Competitive rigorous tests conducted for 500 hours using Genuine Parts as against "Will-Fit" parts have shown significant differences. Fake, counterfeit, imitation, or will-fit components will surely let you down when put to the test. Will-fit parts are frequently produced using substandard materials that do not measure up to world-class quality standards.

While will-fit parts may cost less up front, they cost significantly more in the long run due to frequent failures, prolonged equipment downtime, production losses, and catastrophic engine damage.

"WILL-FIT" PARTS RISK MATRIX & PERFORMANCE IMPACT

PART NAME	DEFECTS IN "WILL FIT" PARTS	EFFECT ON ENGINE PERFORMANCE
Pin Piston	Chatter found out of specification.	Reduced service life.
Seal Crevice	• Compression set is excessively high. • Flash is not trimmed properly from the outer periphery. • Colour code (pink) is missing from the outer diameter.	High compression set leads to permanent deformation of the seal and subsequent fluid leakage. Absence of proper colour coding leads to incorrect part fitment during servicing.
Seal O-ring	• Variation in wall thickness. • Oversized cross-section at multiple locations.	Fitment issues and premature seal failure.
Piston Ring	Chromium layer thickness is lower than engineering specification; surface coverage does not meet requirements.	Severely reduced life of the part and increased blow-by.
Piston Ring (Oil)	Oil ring windows are too small; openings are narrower than required specifications.	Improper oil scraping leading to reduced life and higher oil consumption.
Liner Cylinder	• Chemistry and microstructure deviate from standards (tensile strength is significantly lower). • Surface finish fails specifications with critical variation in bearing ratio. • Bead profile is defective with very sharp edges; sealing land is entirely missing. • Under-cut at locating diameter and groove profiles are rough/non-smooth with excessive runout.	Severe fitment issues. Drastically reduced life due to brittle phase presence in the microstructure, leading to catastrophic brittle failure under standard operation loads.

PART NAME	DEFECTS IN "WILL FIT" PARTS	EFFECT ON ENGINE PERFORMANCE
Piston	• No anodising layer observed on the combustion bowl and skirt. • Bowl radius is oversized; radius profile lacks smooth finish. • Heavy burrs and sharp metallic pieces observed in the circlip groove. • Bottom skirt diameter is lower than specification tolerance.	Reduced operational life, accelerated wear, and diminished overall engine performance.
Ring Retaining	• Material hardness is lower than the specified engineering standard. • Free OD, thickness, hole width, and hole diameter deviate from drawing specifications.	Fitment issues and reduced operational life; low hardness causes rapid permanent deformation under high-stress cycles.

YOU CAN DEPEND ON US.