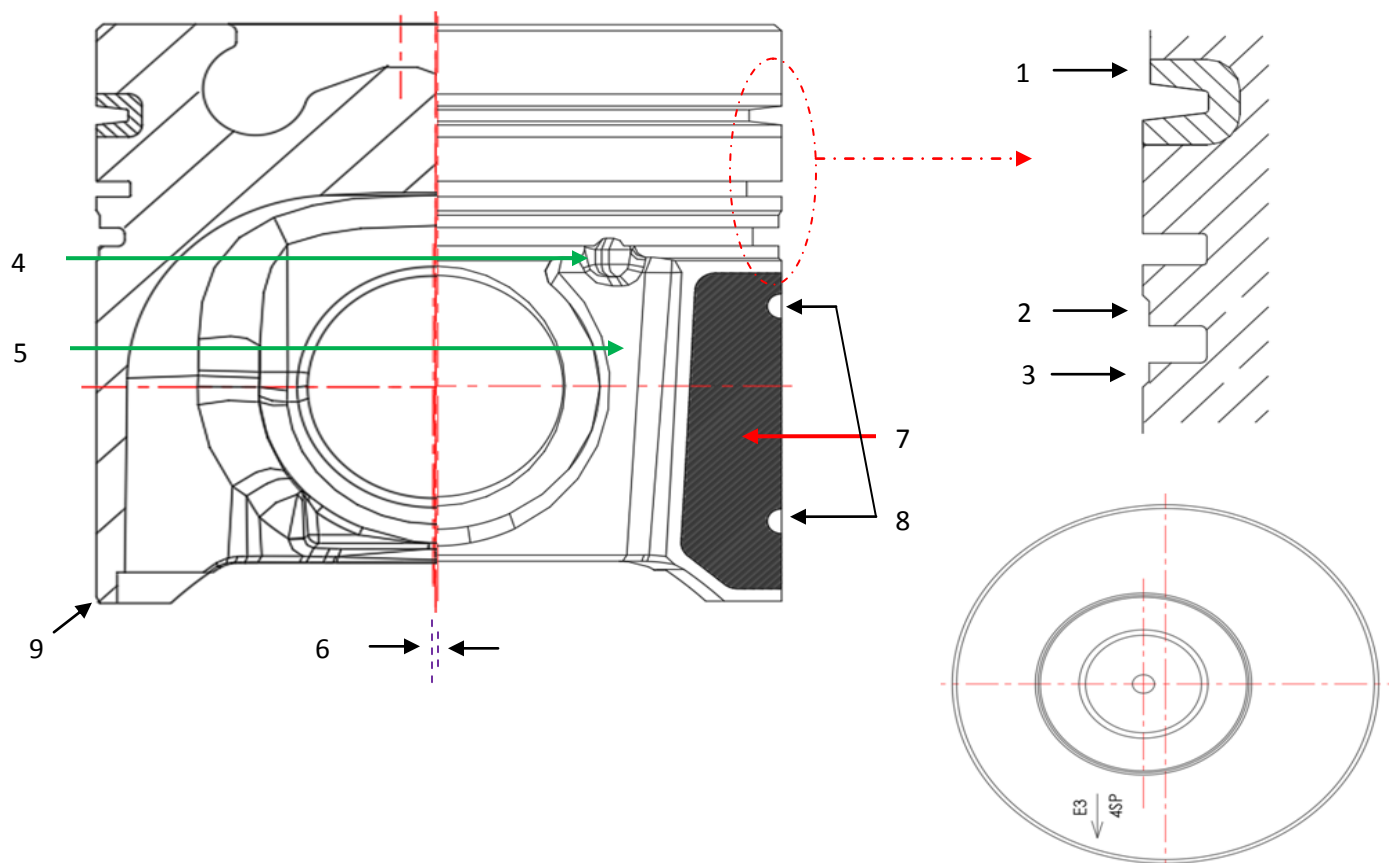


TECHNICAL PRODUCT NEWS- TATA 407 SPACIO BS-III

USHA is pleased to introduce TATA 407 Spacio BS-III piston set in our LCV product range.

PISTON:

Unique features of the piston are as follows:



Sl. no.	Special Features	Benefits to Customer
1	HIGH NICKEL WEAR RESISTANT RING CARRIER (RCP): Top groove of this piston is made of high wear resistant ring carrier insert, which is manufactured as per latest centrifugal casting process.	<ul style="list-style-type: none"> • Longer life of piston due to negligible wear of top groove.
2	STEP CUT IN 2nd RING LAND: Provides perfect seating of the top ring on the bottom surface.	<ul style="list-style-type: none"> • Helps in reducing oil consumption. • Helps in reducing blow-by.
3	"J" CUT: This piston has been provided with a unique 'J' cut below the oil ring groove area.	<ul style="list-style-type: none"> • 'J' cut provides all time lubrication to piston skirt. • No piston seizure in extreme limits of normal working conditions.

4	QUICK OIL RETURN SLOTS (QORS): Two nos. of Quick Oil Return Slots (QORS) are provided on each side of the piston above the pin bore, half in groove & half in window.	<ul style="list-style-type: none"> Quick drainage of oil and hence lower oil consumption.
5	AS CAST CONVERGENT TYPE PIN BORE RECESS: This not only provides more space for oil drainage but the unique convergent type design also provides more bearing area to the piston skirt. More bearing area on skirt helps in well guided movement of piston rings.	<ul style="list-style-type: none"> Faster oil drainage due to more space helps in reducing oil consumption. Longer life of piston. (Seizure on minor axis is avoided.)
6	PISTON- PIN BORE OFFSET: These pistons are provided with a piston pin bore offset to avoid piston slap. Piston pin bore offset means that the centre line of piston is slightly offset from the centre line of pin bore. Due to this offset, piston tilts at TDC & BDC smoothly & prevents slapping with liner.	<ul style="list-style-type: none"> Reduced engine noise.
7	SKIRT COATED WITH NEW "D-10" COATING	<ul style="list-style-type: none"> D-10 permanent coating provides better wear resistance & helps in initial lubrication to avoid piston scuffing/ seizure etc.
8	MEASURING POINTS ON THE SKIRT: Two points on both sides of the skirt.	<ul style="list-style-type: none"> Provided for easy diameter verification.
9	BOTTOM CHAMFER: A smooth chamfer is provided at the bottom end of piston which provides better hydrodynamic oil film.	<ul style="list-style-type: none"> Helps in regulating oil supply, reduced skirt wear and hence longer life.

TECHNICAL DATA- TATA 407 SPACIO BS-III PISTON		
USHA CODE→ L28		
Nominal Bore Diameter	mm	97.00
Piston Diameter	STD Size mm	96.88
Recommended Piston-Liner Clearance	mm	0.120
Compression Height	mm	58.80
Total Height	mm	93.80
Piston Pin- Pin Bore Clearance	mm	+0.003 to +0.015 (Clearance Fit)

PISTON RINGS: This piston is designed to match with our existing **USHA TATA 497 BS-III L12 "MOLY PLATINUM SSM"** ring set for low oil consumption and superior performance.