# CYCLON® LAVA SYN 2T

## DESCRIPTION

LAVA SYN 2T is a fully synthetic technology smokeless oil, designed for high performance two-stroke engines. It is clean- burning, formulated with a unique advanced technology additive system. It provides excellent control of valve deposits for improved power and throttle response. It enables superior wear protection in high temperature operations. It reduces dramatically the exhaust smoke and emissions. It surpasses the requirements of PIAGGIO's Hexagon, as well as the requirements of all major two-stroke manufacturers such as SUZUKI, HONDA, YAMAHA, HUSQVARNA, STILH.

## APPLICATIONS

LAVA SYN 2T is equally suitable for high performance air-cooled or water-cooled, two-stroke engines operating over a wide temperature range at high rpm and high loads, such as moto-cross racing or driving at idling speeds. It may be used in two-stroke engines with oil injection or premix systems at oil-to-fuel ratios as recommended by engine manufacturers. The typical oil to fuel ratio is 2% (1:50).

## CHARACTERISTICS-BENEFITS

| CHARACTERISTICS | BENEFITS |
|---|---|
| Outstanding lubricity provides superior film strength. | Delivers excellent protection at high and low speed operation· enhanced performance for maximum acceleration. |
| Strong detergency and dispersion properties. | Removes deposits and prevents the formation of sludge and gum varnish on pistons and ports. |
| Exceptional thermal stability. | Superior deposit control reduces the spark plug fouling. |
| Low ash technology additives. | Prevents carbon build-up in piston ring grooves for better compression and lower wear. |
| Superior antiwear performance. | Minimizes piston scuffing for longer engine service. |
| Premixed, creates stable mixture with gasoline. | Cleaner burning and low smoke. |

## PHYSICAL-CHEMICAL CHARACTERISTICS

| LAVA SYN 2T | METHOD | |
|---|---|---|
| Density at 15°C, g/cm$^3$ | ASTM D1298 | 0,872 |
| Viscosity, Kinematic (cSt) 100$^0$C | ASTM D445 | 9,5 |
| Viscosity, Kinematic (cSt) 40$^0$ C | ASTM D445 | 61 |
| Viscosity index | ASTM D2270 | 137 |
| Flash point, COC, °C | ASTM D92 | 124 |
| TBN, mgKOH/g | ASTM D2896 | 1,9 |
| Pour point, °C | ASTM D97 | -30 |

The above mentioned characteristics represent mean values.

## SPECIFICATIONS

JASO FD, FC, FB; API TC; ISO 6743-15 (ISO-L-EGC, ISO-L-EGD); TISI; Piaggio Hexagon