

**Fully Synthetic**

# Kixx PAO 1

Premium engine oil made 100% from PAO with cutting edge technology

- 0W-30 : API SN/CF, ACEA A5/B5-12, C2-16
- 0W-40 : API SN/CF, ACEA C3-16,  
BMW LL-04, MB 229.31/229.51, VW 502.00/505.00 RECOMMENDED



## DESCRIPTION

Kixx PAO 1 is a premium performance, multi-grade motor oil formulated from selected PAO (Poly Alpha Olefin) and race-proven additive technology. It can be used in passenger car and light truck gasoline engines and passenger car diesel engines under all operating conditions. It is optimized to provide complete engine protection plus ultimate performance.

## APPLICATIONS

- Naturally aspirated Gasoline engines, LPG and Diesel engines in passenger cars
- Light truck gasoline and diesel engines
- Gasoline and diesel powered RV and SUV
- CRDI engines in passenger cars
- Passenger cars with high speed, four-stroke, turbocharged and EGR, DPF.
- Four-stroke gasoline engines in motorcycles and portable power equipment where the manufacturer recommends conventional passenger car motor oils

## PERFORMANCE STANDARDS

- 0W-30 : API SN/CF, ACEA A5/B5-12, C2-16
- 0W-40 : API SN/CF, ACEA C3-16,  
BMW LL-04, MB 229.31/229.51, VW 502.00/505.00 Recommended

## CUSTOMER BENEFITS

### Maximizes engine life

The wider temperature range capability of the synthetic base fluid ensures correct oil viscosity which reduces friction at start-up, and provides maximum lubrication during high temperature operation. The effective anti-wear additive system minimizes wear in even the most sophisticated valve train mechanisms, including those with variable valve timing.

### Maximizes power and performance

Metallic detergent and ashless dispersant additive system ensures maximum power and performance by providing superior control of the ring belt and the piston skirt deposits, even under the most severe operating conditions. Special friction modifiers assist in reducing friction resulting in maximum fuel economy.

### Low oil consumption

Synthetic, highly shear-stable formulation provides superior control of oil flow through the ring belt area by maintaining oil viscosity, and reduces oil evaporation at the elevated ring zone temperatures experienced under all operating conditions.

### Longer equipment life

Special anti-wear additive package reduces wear by protecting surfaces when load causes breakdown of the lubricant film.

### Lower impact emissions

Highly advanced additive technology delivers reduction in harmful exhaust emissions. This advanced technology performance, enhanced by low phosphorus and sulfur formulation (low SAPS) reduces ash formation and delivers a significant increase in DPF service life.

## KEY PROPERTIES

SAE Grade	0W-30	0W-40
Density, kg/L @15°C	0.846	0.848
Viscosity, mm <sup>2</sup> /s @ 40°C	62.9	84.8
Viscosity, mm <sup>2</sup> /s @ 100°C	11.2	14.9
Viscosity Index	174	186
Pour Point °C	-54	-51
Flash Point °C	232	232
Package (Liters)	1,4T,200	1,4T,200



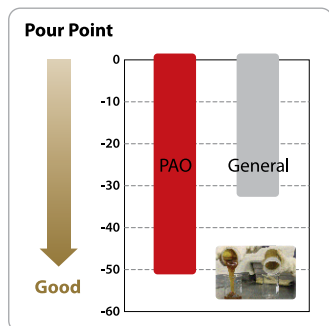
## UNIQUE FEATURES

### PAO (Poly Alpha Olefin)

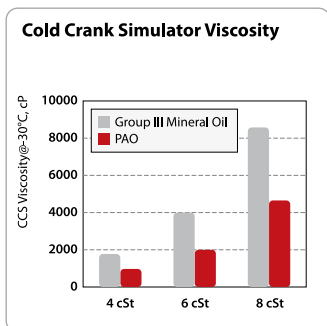
PAOs, synthetic base fluids manufactured by carefully controlled chemical reaction of alphaolefin, have extreme stability and high performance in cold property and robustness, mainly used for the most premium lubricant products.

#### Cold Property

With their excellent cold property, PAOs can be used in extremely cold ambient temperature without oil change



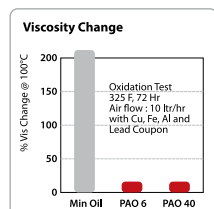
Pour point of PAOs is much lower than general mineral oil, which means better fluidity in low



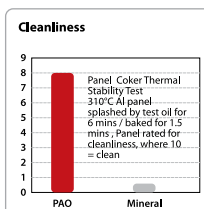
Low temperature viscosity of PAO is much lower than mineral oil, which enable excellent

#### Robustness

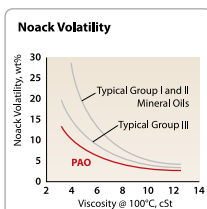
PAOs have excellent anti-oxidation stability and low volatility, which allows the oil to maintain its original properties longer and significantly reduced sludge extending the oil drain interval.



Viscosity increased at high temperature is significantly less



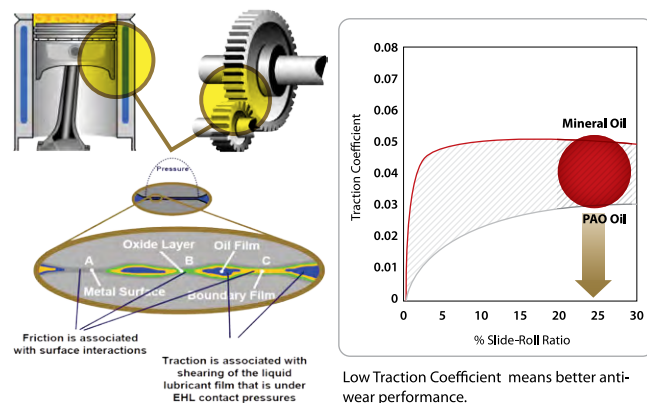
Cleanliness in high temperature is much higher than others.



Low volatility makes oil to be used in longer time.

#### Anti-Wear

PAOs have excellent anti-wear performance in extreme pressurized friction thanks to their solid molecular structure



#### Field Test

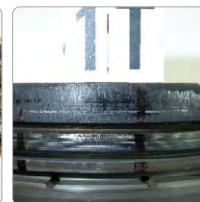
Field test results shows that Kixx PAO products, formulated with premium additives approved from API, ACEA and OEM recent specification, have excellent performance in low sludge and anti-wear characteristics

Sludge : Oil Sump



Mercedes C220 : 96,540 km

Sludge : Piston Head



Mercedes C220 : 96,540 km

Wear : Bearing



Mercedes C220 : 193,080 km