## DESCRIPTION

MAGMA MULTI series consists of high quality multigrade lubricants formulated to meet moderate requirements of certain passenger cars. They can be used in an all-year-round basis.

## APPLICATIONS

A cost efficient series of engine lubricants, based on high quality and high viscosity index mineral base stocks and an additive package providing high levels of detergency. Ideal for older technology gasoline vehicles fitted with a carburetor.

## CHARACTERISTICS-BENEFITS

| CHARACTERISTICS | BENEFITS |
| :---: | :---: |
| Improved protection against rust and oxidation. | Good performance in any type of service. |
| High oxidative stability. | Resistance to oil thickening. |
| Very good lubricant dispersancy. | Reduced piston deposits and piston ring sticking. |
| High level detergent properties and alkalinity. | Neutralization of acidic fuel burning by-products. |

## PHYSICAL-CHEMICAL CHARACTERISTICS

| MAGMA MULTI | METHOD | SAE 15W-40 | SAE 20W-50 |
| :--- | :---: | :---: | :---: |
| Density at $15^{\circ} \mathrm{C}, \mathrm{g} / \mathrm{cm}^{3}$ | ASTM D1298 | 0,878 | 0,885 |
| Dynamic viscosity, ${ }^{\circ} \mathrm{C} / \mathrm{cp}$ | ASTM D5293 | $-20 / 6700$ | $-15 / 8700$ |
| Viscosity, Kinematic (cSt) $100^{\circ} \mathrm{C}$ | ASTM D445 | 14,4 | 19,3 |
| Viscosity, Kinematic (cSt) $40^{\circ} \mathrm{C}$ | ASTM D445 | 103,2 | 175,3 |
| Viscosity index | ASTM D2270 | 143 | 126 |
| Flash point, $\mathrm{COC}{ }^{\circ}{ }^{\circ} \mathrm{C}$ | ASTM D92 | 228 | 244 |
| Pour point, ${ }^{\circ} \mathrm{C}$ | ASTM D97 | -27 | -24 |
| TBN, mgrKOH/gr | ASTM D2896 | 5,6 | 5,6 |

The above mentioned characteristics represent mean values.

## SPECIFICATIONS

## API SF, CC

