

# ZEITH ONYX SILVER 20W-40 SL/CF SERIES

Multigrade Gasoline and Diesel Engine Oil



## Product Data Sheet

### Product Description

ZEITH ONYX SILVER 20W-40 SL/CF series are designed with high quality base stocks and advanced technology additive system to provide high level of protection and performance. It works harder than other conventional motor oils by continuously preventing dirt and sludge build-up and reduces engine noise. This product meets the requirements of most car manufacturers and is suitable for use in both gasoline and diesel, naturally aspirated or turbo charged engines, operating in all round seasons and adapted to vehicles equipped with catalytic converters running on unleaded fuels.

### Features & Benefits

- Superior protection against viscosity and thermal breakdown.
- Excellent detergency and dispersancy.
- Superior sludge protection for greater engine reliability.
- Enhanced wear protection and improved engine cleanliness.
- Easier cold starts and improved fuel economy compared to mono-grade engine oils.

### Specifications

**ZEITH ONYX SILVER 20W-40 SL/CF** meets or exceeds following International and Builder specifications:

- API SL, SJ, SG, SF, CF, CD
- ACEA A3/B3
- MB Approval 229.1
- Volkswagen VW 505 00

### Application

ZEITH ONYX SILVER 20W-40 SL/CF is suitable for use in following:

- Automotive gasoline and diesel engines.
- Passenger cars, SUVs, light trucks and vans.
- Moderate duty LPG vehicles.
- Naturally aspirated or turbo-charged engines.
- Fuel injected or indirect injection diesel engines fitted with blow-by recirculation systems.

### Typical Characteristics

| ZEITH              | Test Method | Units    | 20W-40        | 20W-50        | 50    |
|--------------------|-------------|----------|---------------|---------------|-------|
| Density @ 15 °C    | ASTM D 4052 | gm/cc    | 0.888         | 0.890         | 0.904 |
| Viscosity @ 100 °C | ASTM D 445  | cSt      | 14.30         | 20.4          | 21.6  |
| Viscosity @ 40 °C  | ASTM D 445  | cSt      | 107           | 175           | 260   |
| Viscosity Index    | ASTM D 2270 | -        | 137           | 136           | 100   |
| Pour Point         | ASTM D 97   | °C       | -30           | -30           | -24   |
| Flash Point (COC)  | ASTM D 92   | °C       | 230           | 236           | 242   |
| Total Base Number  | ASTM D 2896 | mg KOH/g | 7.8           | 7.8           | 7.8   |
| Phosphorous        | ASTM D 4951 | % wt     | 0.098         | 0.098         | 0.98  |
| CCS Viscosity      | ASTM D 5293 | cP       | 6020 @ -15 °C | 6060 @ -15 °C | N/A   |

*The above figures are typical of blends with normal production tolerance and do not constitute a specification.*