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## Kappa O C2-C3 SAE 5W30

MID SAPS Engine Oil C2-C3

This product is a full synthetic lubricant for gasoline and diesel engines in passenger cars, light vans and trucks, and is part of our MID SAPS product range. The reduced ash formulation in this engine oil protects particle filters and exhaust after-treatment devices. This product meets the dexos 2™ approval that is needed for all GM/Opel/Vauxhall/Chevrolet diesel and gasoline models. This specification is backwards compatible and can also be used in vehicles that describe GM-11-A-025 and GM-B-11-025. This product meets all requirements of the ACEA C2. This means that this engine oil is intended for use as catalyst compatible oil at extended drain intervals in vehicles with all types of modern aftertreatment systems and high performance passenger cars, light duty van gasoline and diesel engines that are designed to be capable of using low viscosity oils with a minimum HTHS viscosity of 2.9 mPa\*s.



BASE OIL:  
**FULL SYNTHETIC**

### SPECIFICATIONS

|                                 |                               |
|---------------------------------|-------------------------------|
| <b>ACEA C2</b>                  | <b>KIA .</b>                  |
| <b>ACEA C3</b>                  | <b>MB 229.31</b>              |
| <b>API SN PLUS</b>              | <b>MB 229.51</b>              |
| <b>API SP</b>                   | <b>MB 229.52</b>              |
| <b>BMW LONGLIFE-04</b>          | <b>OPEL GM-LL-A-025</b>       |
| <b>CHRYSLER MS 11106</b>        | <b>OPEL GM-LL-B-025</b>       |
| <b>FIAT 9.55535-S1</b>          | <b>OPEL OV 040 1547 - D30</b> |
| <b>FIAT 9.55535-S3</b>          | <b>OPEL OV 040 1547 - G30</b> |
| <b>FORD WSS-M2C917-A</b>        | <b>RENAULT RN 0700</b>        |
| <b>GM DEXOS 2</b>               | <b>RENAULT RN 0710</b>        |
| <b>GM DEXOS1™ GEN 2</b>         | <b>VW 505.01</b>              |
| <b>HYUNDAI .</b>                | <b>VW 505.00</b>              |
| <b>IVECO 18-1811 CLASSE SC1</b> |                               |

| GRADE                        | METHOD     | UNIT               | VALUE |
|------------------------------|------------|--------------------|-------|
| Density                      | ASTM D4052 | kg/l               | 0,855 |
| Kinematic viscosity @ 40 °C  | ASTM D445  | mm <sup>2</sup> /s | 67,1  |
| Kinematic viscosity @ 100 °C | ASTM D445  | mm <sup>2</sup> /s | 12,2  |
| Viscosity Index              | ASTM D2270 |                    | 182   |
| B.N. (HCL04 method)          | ASTM D2896 | mg KOH/g           | 7,2   |
| Pour point                   | ASTM D6892 | °C                 | -36   |
| Flash point                  | ASTM D92   | °C                 | 234   |
| Sulphated ash content        | ASTM D874  | %                  | 0,77  |

All data on this technical data sheet is indicative only

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