



## Renault RN0700 certificate

|                |              |                                |
|----------------|--------------|--------------------------------|
| Identification | Supplier     | LUKOIL Lubricants              |
|                | Product name | CONFIDENTIAL                   |
|                |              | GENESIS SPECIAL<br>A5/B5 5W-30 |
|                |              | CONFIDENTIAL                   |
| ACEA           | A5/B5-08     |                                |
| 1.1            | Grade        | 5w30                           |

|                 |                             |                 |         |
|-----------------|-----------------------------|-----------------|---------|
| Lab performance | Kinematic viscosity (40°C)  | 52,3            |         |
|                 | Kinematic viscosity (100°C) | 9,5             |         |
|                 | 1.2                         | Shear stability | 9,4     |
|                 | 1.3                         | HTHS            | 2,9     |
|                 | 1.4                         | Noack           | 12,6    |
|                 |                             | Calcium         | 2720    |
|                 |                             | Zinc            | 1110    |
|                 |                             | Magnesium       | 0       |
|                 | 1.5                         | Sulphur         | 0,26    |
|                 | 1.6                         | Phosphorus      | 995     |
|                 | 1.7                         | Sulphated Ash   | 1,1     |
|                 | 1.8                         | Chlorine        | <50     |
|                 |                             | TAN             | 2,8     |
|                 | 1.9                         | TBN             | 10,0    |
|                 | 1.10                        | RE1 - FPM       | Pass    |
|                 |                             | RE2/99 - ACM    | Pass    |
|                 |                             | RE3/04 - VMQ    | Pass    |
|                 |                             | RE4 - NBR       | Pass    |
|                 |                             | AEM - VAMAC     | Pass    |
|                 |                             | Foaming Seq1    | 0 - 0   |
|                 |                             | Foaming Seq2    | 30 - 0  |
|                 |                             | Foaming Seq3    | 0 - 0   |
|                 | 1.12                        | Foaming Seq4    | 100 - 0 |
| 1.13            | CCS                         | 3670 @ -30°C    |         |
| 1.14            | Pumping limit T* (MRV)      | 18700 @ -35°C   |         |
| 1.15            | Density                     | 849,6           |         |
| 1.16            | Open-vessel flash point     | 222             |         |

|                             |      |                       |              |
|-----------------------------|------|-----------------------|--------------|
| Lab performance (continued) | 1.17 | Pour point            | -39          |
|                             | 1.18 | Copper corrosion      | 1a           |
|                             | 1.19 | Anti-wear properties  | 0,3          |
|                             | 1.20 | De-airing             | 32           |
|                             | 1.21 | Water content         | < 0,04       |
|                             | 1.22 | Base oil type & ratio | CONFIDENTIAL |
|                             | 1.23 | TOC                   | Classe 2     |
|                             | 1.24 | MCT                   | 8            |
|                             | 1.25 | Auto-ignition T*      | 349          |


|                               |     |  |      |
|-------------------------------|-----|--|------|
| ACEA Engine tests performance | 2.1 | TU5JP high temperature deposits          | Pass |
|                               | 2.2 | Seq VG low temperature sludge            | Pass |
|                               | 2.3 | TU3M cam wear                            | Pass |
|                               | 2.4 | M111 black sludge                        | Pass |
|                               | 2.5 | M111 fuel economy                        | 2,7  |
|                               | 2.6 | DV4TD dispersivity                       | Pass |
|                               | 2.7 | VW DI piston cleanliness & ring sticking | Pass |
|                               | 2.8 | OM602A viscosity & oil consumption       | Pass |

|     |     |             |   |
|-----|-----|-------------|---|
| LLR | 3.1 | Renault LLR | - |
|-----|-----|-------------|---|

| Renault Registration Data (to be filled by Renault's delegate only) |                                   |                     |
|---|-----------------------------------|---------------------|
| Registration  | Final Technical data (dd/mm/yyyy) | 01.03.2016          |
|   | Sample delivery (dd/mm/yyyy)      | 01.03.2016          |
| Certificate   | Certificate serial number         | <b>RN0700-16-33</b> |
|   | Delivered on (dd/mm/yyyy)         | 07.06.2016          |
|   | Valid till (dd/mm/yyyy)           | 07.06.2020          |
|   | Letter reference                  | KCM7300-2016-13248  |

Renault: Date, Name, Signature

07.06.2016

  
 J. Sterkhar

Supplier commitment: Date, Name, Signature

I hereby certify that all data submitted in this form is correct and issues from Renault-approved independent or Renault-certified (self-agreement process) testing facilities.

  
 07.06.2016 J. Sterkhar