Product Data Sheet

**Aminol™ Avantgarde AD1**

Engine oil

**Product description**

Aminol Avantgarde AD1 20W-50 is a high performance solution designed to provide superior performance, particularly for diesel engines used in demanding on- and off-highway heavy duty applications. Formulated using the latest synthetic technology, it excels in several critical aspects of engine care.

**Application**

Aminol Avantgarde AD1 20W-50 are recommended for light and heavy-duty on-highway trucks, a wide range of other industrial applications and off-road equipment and machinery.

**Features & Benefits**

* Superior heat resistance
* Advanced soot control
* Effective wear protection
* Reduced oil consumption
* Extended oil change intervals

**Typical Properties**

| **Property** | **Unit** | **Test method** | **Typical value** |
| --- | --- | --- | --- |
| Kinematic Viscosity at 100℃ | cst | ASTM D 445 | 19.8 |
| Viscosity Index | - | ASTM D 2270 | 136 |
| Flash Point, COC | ℃ | ASTM D 92 | 238 |
| Pour Point | ℃ | ASTM D 97 | -27 |
| TBN | mg KOH/g | ASTM D 2896 | 8.4 |
| Sulphated Ash Content | % | ASTM D 874 | 1.18 |
| Density at 20℃ | g/ml | ASTM D 4052 | 0.883 |

Typical property characteristics are based on current production. Whilst future production will conform to Aminol™ specifications, variations in these characteristics may occur.

**Performance claims**

* API CH-4/SJ
* ACEA C3-21
* MB-228.3
* Volvo VDS-3
* Renault Truck RLD-2
* Mack EO-N
* MAN M 3275-1
* Cummins CES 20077
* CAT ECF-1-a
* MTU Type 2
* Deutz DQC-III 18
* **API CH-4/SJ**
* **MB 228.3 MTU**
* **Type 2 MAN**
* **M3275-1 level**
* **CES 20076**

**Health, Safety & Environment**

* **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: [www.aminol.az](http://www.aminol.az)

* **Protect the Environment**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

**Available pack sizes**

* 1 L Canister plastic
* 4 L Canister plastic
* 5 L Canister plastic
* 7 L Canister plastic
* 20 L Canister plastic
* 30 L Canister plastic
* 200 L Drum sheet metal
* 1000 L Container

**Storage**

* We recommend to store all packages under cover.
* Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
* Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

**Notes**

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