



# Technical Service Bulletin

**17 Engine oils that meet Audi Oil Quality Standards 501 01, 502 00, 504 00, 505 00, 505 01, 507 00, 508 00, and 509 00**

17 18 91 2010043/17 February 22, 2018. Supersedes Technical Service Bulletin Group 17 number 17-88 dated October 25, 2017 for reasons listed below.

| Model(s) | Year        | VIN Range | Vehicle-Specific Equipment |
|----------|-------------|-----------|----------------------------|
| All      | 1997 - 2019 | All       | Not Applicable             |

## Condition

| REVISION HISTORY |            |                                                                                                                                                            |
|------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Revision         | Date       | Purpose                                                                                                                                                    |
| 17               | -          | Revised <i>Service</i> (Updated table information)                                                                                                         |
| 16               | 10/25/2017 | Revised title (Updated formatting)<br>Revised <i>Service</i> (Updated table information)                                                                   |
| 15               | 05/10/2017 | Revised header data (Added MY 2017 - 2019)<br>Revised title (Updated information)<br>Revised <i>Service</i> (Updated table information for MY 2017 - 2019) |

This bulletin lists engine oils that meet Audi Oil Quality Standards (VW 501 01, 502 00, 504 00, 505 00, 505 01, 507 00, 508 00, and 509 00).

## Technical Background

Not applicable.

## Production Solution

Not applicable.



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## Service

### Oil Quality

Audi engines must always use engine oils that conform to the applicable Audi oil quality standard. No other engine oils may be used (this also applies when the engine oil is topped off between services).

### Recommendation for Customers

The customer should always have a spare quart of engine oil in case the engine oil needs topping off while on the road. The spare quart of oil should be stored in its original container, securely closed, and stowed in the vehicle luggage compartment.



#### Note:

Use of the wrong oil may damage the engine. Damage caused when the wrong oil is used will not be covered by the applicable vehicle warranties.

### Approved Engine Oils

Below are the lists of engine oils available in North America that currently meet Audi oil quality standards (VW 501 01, 502 00, 504 00, 505 00, 505 01, 507 00, 508 00, 509 00).

See the attached document for a list of engine oils available worldwide.



#### Note:

Refer to the vehicle owner's manual, applicable technical service bulletins, and fluid capacity charts in order to the select the appropriate oil for the specific vehicle.

## PRODUCTS GENERALLY AVAILABLE IN NORTH AMERICA

### Audi Oil Quality Standard VW 501 01 and VW 505 00

| Audi Oil Quality Standard | Manufacturer | Oil Type                              | Viscosity  |
|---------------------------|--------------|---------------------------------------|------------|
| VW 501 01<br>VW 505 00    | Castrol      | Edge<br>Part Number:<br>G 0521942LDSP | SAE 10W-60 |

### Audi Oil Quality Standard VW 508 00 and VW 509 00

| Audi Oil Quality Standard | Manufacturer | Oil Type                          | Viscosity |
|---------------------------|--------------|-----------------------------------|-----------|
| VW 508 00<br>VW 509 00    | Castrol      | Edge Long Life IV<br>Part Number: | SAE 0W-20 |



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|  |  |               |  |
|--|--|---------------|--|
|  |  | G E525021QDSP |  |
|--|--|---------------|--|

## Audi Oil Quality Standard VW 502 00

| Audi Oil Quality Standard | Manufacturer        | Oil Type                              | Viscosity |
|---------------------------|---------------------|---------------------------------------|-----------|
| VW 502 00                 | Castrol             | Edge Professional<br>G E521671QDSP    | SAE 5W-40 |
| VW 502 00                 | Agip                | Agip synthetic PC                     | SAE 5W-40 |
| VW 502 00                 | Blu Lubricants Inc. | Blu Synthetic-Technician<br>Series FS | SAE 5W-30 |
| VW 502 00                 | Bucher AG           | MOTOREX Select LA-X                   | SAE 5W-30 |
| VW 502 00                 | Caltex              | Caltex Havoline Fully<br>Synthetic    | SAE 5W-40 |
| VW 502 00                 | Castrol             | Castrol SLX Professional<br>Longtec   | SAE 0W-40 |
| VW 502 00                 | Castrol             | Castrol SLX Professional OE           | SAE 5W-30 |
| VW 502 00                 | Castrol             | Castrol Syntec European<br>Formula    | SAE 0W-30 |
| VW 502 00                 | Castrol             | Castrol TXT 505 01                    | SAE 5W-40 |
| VW 502 00                 | Castrol             | Castrol Syntec                        | SAE 5W-40 |
| VW 502 00                 | Cepsa               | Cepsa Star Mega Synthetic             | SAE 5W-40 |
| VW 502 00                 | Chevron             | Havoline Ultra                        | SAE 5W-40 |
| VW 502 00                 | Chevron             | Havoline Ultra S                      | SAE 5W-30 |
| VW 502 00                 | Chevron             | Havoline Ultra S                      | SAE 5W-40 |
| VW 502 00                 | Delek               | Delek Motorsynth FE                   | SAE 5W-30 |
| VW 502 00                 | Delek               | Delek Motorsynth TDI                  | SAE 5W-40 |
| VW 502 00                 | Elf                 | Elf Excellium Full tec                | SAE 0W-30 |
| VW 502 00                 | Elf                 | Elf Solaris LSX                       | SAE 5W-30 |



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|           |            |                                              |           |
|-----------|------------|----------------------------------------------|-----------|
| VW 502 00 | Fuchs      | Fuchs TITAN GT 1                             | SAE 5W-30 |
| VW 502 00 | Fuchs      | Fuchs TITAN Supersyn                         | SAE 5W-40 |
| VW 502 00 | Fuchs      | Fuchs TITAN Supersyn PLUS                    | SAE 5W-40 |
| VW 502 00 | Fuchs      | Titan GT1                                    | SAE 5W-30 |
| VW 502 00 | Igol       | Process Compact M                            | SAE 5W-30 |
| VW 502 00 | Liqui Moly | Liqui Moly Leichtlauf HC 7                   | SAE 5W-40 |
| VW 502 00 | Liqui Moly | Liqui Moly Profi Premium                     | SAE 5W-40 |
| VW 502 00 | Liqui Moly | Liqui Moly Synthoil Longtime                 | SAE 0W-30 |
| VW 502 00 | Liqui Moly | Liqui Moly Diesel High Tech                  | SAE 5W-40 |
| VW 502 00 | Liqui Moly | Liqui Moly Nachfüll-Öl                       | SAE 5W-40 |
| VW 502 00 | Liqui Moly | Liqui Moly Pro-Engine M 400                  | SAE 5W-40 |
| VW 502 00 | Liqui Moly | Liqui Moly Top Tec 4100                      | SAE 5W-40 |
| VW 502 00 | Lotos      | Lotos Quazar                                 | SAE 0W-30 |
| VW 502 00 | Lotos      | Lotos Quazar                                 | SAE 5W-40 |
| VW 502 00 | Lotos      | Lotos Quazar                                 | SAE 5W-30 |
| VW 502 00 | Meguin     | megol Motorenoel Low Emission                | SAE 5W-40 |
| VW 502 00 | Meguin     | megol Motorenoel Super Leichtlauf Multisynth | SAE 0W-30 |
| VW 502 00 | Meguin     | Motorenoel Ultra Performance Longlife        | SAE 5W-40 |
| VW 502 00 | Mobil      | Mobil 1                                      | SAE 0W-40 |
| VW 502 00 | Mobil      | Mobil Syst S Special V                       | SAE 5W-30 |
| VW 502 00 | Motul      | Motul 8100 X-cess                            | SAE 5W-40 |
| VW 502 00 | Motul      | Motul 8100 X-clean                           | SAE 5W-40 |
| VW 502 00 | Motul      | Motul 8100 X-max                             | SAE 5W-40 |



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|           |               |                                                    |           |
|-----------|---------------|----------------------------------------------------|-----------|
| VW 502 00 | Motul         | Motul Specific 505 01 502 00<br>505 01             | SAE 5W-40 |
| VW 502 00 | Northland     | Synergy Synthetic EuroSyn                          | SAE 5W-40 |
| VW 502 00 | Pennzoil      | Pennzoil Platinum European<br>Formula              | SAE 5W-40 |
| VW 502 00 | Pennzoil      | Pennzoil Platinum European<br>Formula Ultra Diesel | SAE 5W-30 |
| VW 502 00 | Pennzoil      | Pennzoil Platinum Low SAPS                         | SAE 5W-30 |
| VW 502 00 | Pennzoil      | Pennzoil Synthetic European<br>Formula             | SAE 5W-40 |
| VW 502 00 | Pentosin      | Pento High Performance                             | SAE 5W-40 |
| VW 502 00 | Pentosin      | Pento High Performance II                          | SAE 5W-40 |
| VW 502 00 | Pentosin      | Pentospeed VS*                                     | SAE 0W-30 |
| VW 502 00 | Pentosin      | Pentosynth HC                                      | SAE 5W-40 |
| VW 502 00 | Quaker State  | Q European Engine Ultra<br>Diesel                  | SAE 5W-30 |
| VW 502 00 | Quaker State  | Q Horsepower Full Synthetic                        | SAE 5W-40 |
| VW 502 00 | Quaker State  | Q European Formula Ultra                           | SAE 5W-30 |
| VW 502 00 | Quaker State  | Q State Synquest Low SAPS                          | SAE 5W-30 |
| VW 502 00 | Redoil Italia | Challoils                                          | SAE 5W-40 |
| VW 502 00 | Shell         | Shell Helix Ultra                                  | SAE 5W-40 |
| VW 502 00 | Shell         | Shell Helix Ultra AX                               | SAE 5W-30 |
| VW 502 00 | SK energy     | ZIC RV                                             | SAE 5W-30 |
| VW 502 00 | SK energy     | ZIC XQ                                             | SAE 5W-40 |
| VW 502 00 | SK energy     | ZIC XQ RV                                          | SAE 5W-40 |
| VW 502 00 | Statoil       | Statoil PRO Synthetic C                            | SAE 5W-40 |
| VW 502 00 | Total         | Total Quartz 9000 Energy                           | SAE 5W-40 |



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|           |           |                          |           |
|-----------|-----------|--------------------------|-----------|
| VW 502 00 | Total     | Total Quartz 9000 Energy | SAE 0W-30 |
| VW 502 00 | Total     | Total Quartz INEO MC3    | SAE 5W-30 |
| VW 502 00 | Valvoline | Valvoline SynPower HST   | SAE 5W-40 |
| VW 502 00 | Valvoline | Valvoline SynPower MST   | SAE 5W-30 |
| VW 502 00 | VAPS      | Vapsoil                  | SAE 5W-30 |

## Audi Oil Quality Standard VW 505 01

| Audi Oil Quality Standard | Manufacturer       | Oil Type                              | Viscosity |
|---------------------------|--------------------|---------------------------------------|-----------|
| VW 505 01                 | Castrol            | Edge Professional<br>G E521671QDSP    | SAE 5W-40 |
| VW 505 01                 | Blu Lubricants Inc | Blu Synthetic-Technician<br>Series FS | SAE 5W-30 |
| VW 505 01                 | Bucher AG          | MOTOREX Select LA-X                   | SAE 5W-30 |
| VW 505 01                 | Castrol            | Castrol SLX Professional OE           | SAE 5W-30 |
| VW 505 01                 | Castrol            | Castrol TXT 505 01                    | SAE 5W-40 |
| VW 505 01                 | Chevron            | Havoline Ultra S                      | SAE 5W-40 |
| VW 505 01                 | Delek              | Delkol Motorsynth TDI                 | SAE 5W-40 |
| VW 505 01                 | Elf                | Elf Solaris LSX                       | SAE 5W-30 |
| VW 505 01                 | Fuchs              | Fuchs TITAN Superssyn PLUS            | SAE 5W-40 |
| VW 505 01                 | Liqui Moly         | Liqui Moly Diesel High Tec            | SAE 5W-40 |
| VW 505 01                 | Liqui Moly         | Liqui Moly Nachfüll-Ölo               | SAE 5W-40 |
| VW 505 01                 | Liqui Moly         | Liqui Moly Pro-Engine M 400           | SAE 5W-40 |
| VW 505 01                 | Liqui Moly         | Liqui Moly Top Tec 4100               | SAE 5W-40 |
| VW 505 01                 | Meguin             | megol Motorenoel Low<br>Emmission     | SAE 5W-40 |
| VW 505 01                 | Mobil              | Mobil Syst S Special V                | SAE 5W-30 |
| VW 505 01                 | Motul              | Motul 8100 X-clean                    | SAE 5W-40 |



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|           |               |                                         |           |
|-----------|---------------|-----------------------------------------|-----------|
| VW 505 01 | Motul         | Motul Specific 505 01 502 00 505 01     | SAE 5W-40 |
| VW 505 01 | Pennzoil      | Pennzoil Platinum European Ultra Diesel | SAE 5W-30 |
| VW 505 01 | Pennzoil      | Pennzoil Platinum Low SAPS              | SAE 5W-30 |
| VW 505 01 | Pentosin      | Pento High Performance II               | SAE 5W-40 |
| VW 505 01 | Pentosin      | Pentosynth HC                           | SAE 5W-40 |
| VW 505 01 | Quaker State  | Q European Engine Ultra Diesel          | SAE 5W-30 |
| VW 505 01 | Quaker State  | Q Synquest Low SAPS                     | SAE 5W-30 |
| VW 505 01 | Redoil Italia | Challoils Ultrasynt                     | SAE 5W-40 |
| VW 505 01 | Shell         | Shell Helix Ultra AX                    | SAE 5W-30 |
| VW 505 01 | Statoil       | Statoil PRO Synthetic C                 | SAE 5W-40 |
| VW 505 01 | Total         | Total Quartz INEO MC3                   | SAE 5W-30 |
| VW 505 01 | Valvoline     | Valvoline SynPower HST                  | SAE 5W-40 |
| VW 505 01 | Valvoline     | Valvoline SynPower MST                  | SAE 5W-30 |
| VW 505 01 | VAPS          | Vapsoil 505 01                          | SAE 5W-30 |
| VW 505 01 | Lotos         | Lotos Quazar C3                         | SAE 5W-30 |
| VW 505 01 | Lotos         | Lotos Quazar                            | SAE 5W-40 |
| VW 505 01 | YPF           | Elaion Full Performance SM              | SAE 5W-40 |
| VW 505 01 | YPF           | Elaion Full Performance Tdi             | SAE 5W-40 |
| VW 505 01 | YPF           | Elaion Plus                             | SAE 5W-40 |

## Audi Oil Quality Standard VW 504 00 / 507 00

| Audi Oil Quality Standard | Manufacturer | Oil Type              | Viscosity |
|---------------------------|--------------|-----------------------|-----------|
| VW 504 00 / 507 00        | Castrol      | Edge<br>G 0521951BDSP | SAE 5W-30 |



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|                    |                   |                                       |           |
|--------------------|-------------------|---------------------------------------|-----------|
| VW 504 00 / 507 00 | BP                | BP Visco 7000 Longlife III            | SAE 5W-30 |
| VW 504 00 / 507 00 | Castrol           | Castrol SLX Professional Longlife III | SAE 5W-30 |
| VW 504 00 / 507 00 | Denicol           | Denicol SYN Extra Long Life III       | SAE 5W-30 |
| VW 504 00 / 507 00 | Elf               | Elf Solaris LLX                       | SAE 5W-30 |
| VW 504 00 / 507 00 | Liqui Moly        | Liqui Moly Pro-Engine M 600           | SAE 5W-30 |
| VW 504 00 / 507 00 | Liqui Moly        | Liqui Moly Top Tec 4200               | SAE 5W-30 |
| VW 504 00 / 507 00 | Meguin            | megol Motorenoel Compatible           | SAE 5W-30 |
| VW 504 00 / 507 00 | Mobil             | Mobil 1 ESP Formula                   | SAE 5W-30 |
| VW 504 00 / 507 00 | Morris Lubricants | Multilife V-MAX                       | SAE 5W-30 |
| VW 504 00 / 507 00 | Pennzoil          | Pennzoil Platinum VX                  | SAE 5W-30 |
| VW 504 00 / 507 00 | Pentosin          | Pento Super Performance III           | SAE 5W-30 |
| VW 504 00 / 507 00 | Quaker State      | Q Diesel Plus                         | SAE 5W-30 |
| VW 504 00 / 507 00 | Quaker State      | Q European Engine VX                  | SAE 5W-30 |
| VW 504 00 / 507 00 | Sinopec           | Great Wall Ultra Gold V5457           | SAE 5W-30 |
| VW 504 00 / 507 00 | Statoil           | Statoil LazerWay LL                   | SAE 5W-30 |
| VW 504 00 / 507 00 | Total             | Total Quartz Ineo 504/507             | SAE 5W-30 |

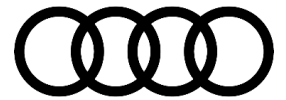
## Warranty

This TSB is informational only and not applicable to any Audi Warranty.

## Additional Information

All parts and service references provided in this TSB (2010043) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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