

# CATERPILLAR MOTOR GRADERS 160M SERIES 2 AWD M9E/M9K/R9L/R9T (2011 AND AFTER)



**ENGINE** C9.3 Acert  
Capacity: 30 liter

| USE       | CLIMATE       |
|-----------|---------------|
| Preferred | Mediterranean |

| PRODUCT RECOMMENDATION 1     | PRODUCT RECOMMENDATION 2      |  |
|------------------------------|-------------------------------|--|
| <b>Agridiesel MSP 15W-40</b> | <b>Dieselfleet MSP 15W-40</b> |  |

*Check every 10 hours, change every 3 months/ 500 hours*

| USE       | CLIMATE  |
|-----------|----------|
| Preferred | Moderate |

| PRODUCT RECOMMENDATION 1      | PRODUCT RECOMMENDATION 2            | PRODUCT RECOMMENDATION 3      |
|-------------------------------|-------------------------------------|-------------------------------|
| <b>Armado Synth MSP 5W-40</b> | <b>Dieselfleet LSP Ultra 10W-30</b> | <b>Dieselfleet MSP 10W-30</b> |

*Check every 10 hours, change every 3 months/ 500 hours*

| USE                      | CLIMATE       |
|--------------------------|---------------|
| Alternative (acceptable) | Mediterranean |

| PRODUCT RECOMMENDATION 1    | PRODUCT RECOMMENDATION 2      |  |
|-----------------------------|-------------------------------|--|
| <b>Agrisynth MSP 10W-40</b> | <b>Dieselfleet MSP 15W-40</b> |  |

*Check every 10 hours, change every 3 months/ 500 hours*

| USE                      | CLIMATE  |
|--------------------------|----------|
| Alternative (acceptable) | Moderate |

| PRODUCT RECOMMENDATION 1          | PRODUCT RECOMMENDATION 2     | PRODUCT RECOMMENDATION 3             |
|-----------------------------------|------------------------------|--------------------------------------|
| <b>Agrisynth LSP Ultra 10W-40</b> | <b>Agridiesel MSP 15W-40</b> | <b>Armado Synth LSP Ultra 10W-40</b> |

*Check every 10 hours, change every 3 months/ 500 hours*

**HUB REDUCTIONS FRONT**  
Capacity: 7 liter

| USE    | CLIMATE  |
|--------|----------|
| Normal | Moderate |

| PRODUCT RECOMMENDATION 1 |  |  |
|--------------------------|--|--|
| <b>Gear Oil Alcat 50</b> |  |  |

*Check every 3 months/ 500 hours, change every 24 months/ 2000 hours*

# CATERPILLAR MOTOR GRADERS 160M SERIES 2 AWD M9E/M9K/R9L/R9T (2011 AND AFTER)



**TRANSMISSION** Powershift  
Capacity: 65 liter

| USE    | CLIMATE       |
|--------|---------------|
| Normal | Mediterranean |

| PRODUCT RECOMMENDATION 1 | PRODUCT RECOMMENDATION 2 |  |
|--------------------------|--------------------------|--|
| <b>Gear Oil Alcat 30</b> | <b>Gear Oil Alcat 50</b> |  |

*Check every 10 hours, change every 6 months/ 1000 hours*

| USE    | CLIMATE |
|--------|---------|
| Normal | Cold    |

| PRODUCT RECOMMENDATION 1  |  |  |
|---------------------------|--|--|
| <b>Gear Oil Alcat 10W</b> |  |  |

*Check every 10 hours, change every 6 months/ 1000 hours*

**HYDRAULIC SYSTEM**  
Capacity: 100 liter

| USE    | CLIMATE  |
|--------|----------|
| Normal | Tropical |

| PRODUCT RECOMMENDATION 1 |  |  |
|--------------------------|--|--|
| <b>Gear Oil Alcat 30</b> |  |  |

*Check every 10 hours, change every 24 months/ 4000 hours*

| USE    | CLIMATE  |
|--------|----------|
| Normal | Moderate |

| PRODUCT RECOMMENDATION 1  |  |  |
|---------------------------|--|--|
| <b>Gear Oil Alcat 10W</b> |  |  |

*Check every 10 hours, change every 24 months/ 4000 hours*

| USE               | CLIMATE  |
|-------------------|----------|
| Biodegradable oil | Moderate |

| PRODUCT RECOMMENDATION 1  |  |  |
|---------------------------|--|--|
| <b>Perlus Biosynth 46</b> |  |  |

*Check every 10 hours, change every 24 months/ 4000 hours*

# CATERPILLAR MOTOR GRADERS 160M SERIES 2 AWD M9E/M9K/R9L/R9T (2011 AND AFTER)

**WHEEL SPINDLE BEARING FRONT**

Capacity: 0,5 liter

| USE                      |                          | CLIMATE       |
|--------------------------|--------------------------|---------------|
| Normal                   |                          | Mediterranean |
| PRODUCT RECOMMENDATION 1 | PRODUCT RECOMMENDATION 2 |               |
| <b>Gear Oil Alcat 30</b> | <b>Gear Oil Alcat 50</b> |               |

Check every 3 months/ 500 hours, change every 24 months/ 2000 hours

| USE                       |  | CLIMATE  |
|---------------------------|--|----------|
| Normal                    |  | Moderate |
| PRODUCT RECOMMENDATION 1  |  |          |
| <b>Gear Oil Alcat 10W</b> |  |          |

Check every 3 months/ 500 hours, change every 24 months/ 2000 hours

**COOLING SYSTEM**

Capacity: 56 liter

| USE                      |  | CLIMATE  |
|--------------------------|--|----------|
| Normal                   |  | Moderate |
| PRODUCT RECOMMENDATION 1 |  |          |
| <b>Coolant SP 17</b>     |  |          |

Check every 10 hours, change every 72 months/ 12000 hours

**CIRCLE DRIVE UNIT**

Capacity: 7 liter

| USE                          |                                     | CLIMATE       |
|------------------------------|-------------------------------------|---------------|
| Normal                       |                                     | Mediterranean |
| PRODUCT RECOMMENDATION 1     | PRODUCT RECOMMENDATION 2            |               |
| <b>Gearlube GL-5 85W-140</b> | <b>Unigear LS GL-3/GL-5 85W-140</b> |               |

Change every 2000 hours/ 24 months

| USE                            |                          | CLIMATE                   |
|--------------------------------|--------------------------|---------------------------|
| Normal                         |                          | Moderate                  |
| PRODUCT RECOMMENDATION 1       | PRODUCT RECOMMENDATION 2 | PRODUCT RECOMMENDATION 3  |
| <b>Gearlube Racing 75W-140</b> | <b>SP Gear 1011</b>      | <b>Syngear TDL 75W-90</b> |

Change every 2000 hours/ 24 months

**TANDEM DRIVE UNIT**

Capacity: 64 liter, Capacity: 1 liter (LS-additive)

We are unable to give a standard recommendation for this component. Please contact our service department.

The data mentioned in this product information sheet is meant to enable the reader to orientate himself about the properties and possible applications of our products. Although this overview is composed with all possible care on the stated date, the compiler does not accept any liability for damages caused by incompleteness and/or inaccuracies in this information, especially when these are caused by obvious typing errors. The terms of delivery of the supplier apply to all product supplies. The reader is advised, especially for critical applications, to make the final product choice in consultation with the supplier. Due to continual product research and development, the information contained herein is subject to changes without notification.