

# CATERPILLAR MOTOR GRADERS 120M SERIES 2 AWD M9C/M9H/R9N/R9W (2011 AND AFTER)



**ENGINE** C7.1 Acert  
Capacity: 15 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 120M SERIES 2 AWD M9C/M9H/R9N/R9W (2011 AND AFTER)



**TRANSMISSION** Powershift  
Capacity: 35 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: 64 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*

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**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: 55 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: 60 liter, Capacity: 1 liter (LS-additive)

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

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