

# MANITOU MANISCOPIC MT/MTA MT 1230 S PERKINS



## ENGINE Perkins

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

| PRODUCT RECOMMENDATION 1      | PRODUCT RECOMMENDATION 2      |  |
|-------------------------------|-------------------------------|--|
| <b>Dieselfleet CD+ 15W-40</b> | <b>Multifleet SHPD 15W-40</b> |  |

*Change every 300 hours*

| USE             | CLIMATE       |
|-----------------|---------------|
| Initial service | Mediterranean |

| PRODUCT RECOMMENDATION 1      | PRODUCT RECOMMENDATION 2      |  |
|-------------------------------|-------------------------------|--|
| <b>Dieselfleet CD+ 15W-40</b> | <b>Multifleet SHPD 15W-40</b> |  |

*Change every 50 hours*

## AXLE ARTICULATIONS WITH WIELAND BUSHINGS

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

| PRODUCT RECOMMENDATION 1 |  |  |
|--------------------------|--|--|
| <b>MoS2 Grease EP 2</b>  |  |  |

## DIFFERENTIAL FRONT Hurth

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

| PRODUCT RECOMMENDATION 1 |  |  |
|--------------------------|--|--|
| <b>Agrifluid HT</b>      |  |  |

*Change every 900 hours*

## DIFFERENTIAL REAR

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

| PRODUCT RECOMMENDATION 1 |  |  |
|--------------------------|--|--|
| <b>Agrifluid HT</b>      |  |  |

*Change every 900 hours*

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## HUB REDUCTIONS FRONT

| USE                         |                                    | CLIMATE  |
|-----------------------------|------------------------------------|----------|
| Normal                      |                                    | Moderate |
| PRODUCT RECOMMENDATION 1    | PRODUCT RECOMMENDATION 2           |          |
| <b>Gearlube GL-5 80W-90</b> | <b>Unigear HS GL-3/GL-5 80W-90</b> |          |

*Change every 900 hours*

## HUB REDUCTIONS REAR

| USE                         |                                    | CLIMATE  |
|-----------------------------|------------------------------------|----------|
| Normal                      |                                    | Moderate |
| PRODUCT RECOMMENDATION 1    | PRODUCT RECOMMENDATION 2           |          |
| <b>Gearlube GL-5 80W-90</b> | <b>Unigear HS GL-3/GL-5 80W-90</b> |          |

*Change every 900 hours*

## TRANSMISSION Spicer Compact Shuttle

| USE                       |                          | CLIMATE  |
|---------------------------|--------------------------|----------|
| Normal                    |                          | Moderate |
| PRODUCT RECOMMENDATION 1  | PRODUCT RECOMMENDATION 2 |          |
| <b>Gear Oil Alcat 10W</b> | <b>ATF Dexron II-D</b>   |          |

*Change every 900 hours*

## HYDRAULIC SYSTEM

| USE                      |  | CLIMATE  |
|--------------------------|--|----------|
| Normal                   |  | Moderate |
| PRODUCT RECOMMENDATION 1 |  |          |
| <b>Perlus H 46</b>       |  |          |

*Change every 900 hours*

## HYDRAULIC BRAKE SYSTEM

| USE                      |  | CLIMATE  |
|--------------------------|--|----------|
| Normal                   |  | Moderate |
| PRODUCT RECOMMENDATION 1 |  |          |
| <b>LHM +</b>             |  |          |

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## GREASE POINTS/NIPPLES

| USE                      |                                 | CLIMATE                      |
|--------------------------|---------------------------------|------------------------------|
| Normal                   |                                 | Moderate                     |
| PRODUCT RECOMMENDATION 1 | PRODUCT RECOMMENDATION 2        | PRODUCT RECOMMENDATION 3     |
| <b>Labora Grease</b>     | <b>Q5 MP Calcep Grease EP 2</b> | <b>MP Lithep Grease EP 2</b> |

## TELESCOPIC JIB PADS

| USE                      |  | CLIMATE  |
|--------------------------|--|----------|
| Normal                   |  | Moderate |
| PRODUCT RECOMMENDATION 1 |  |          |
| <b>MoS2 Grease EP 2</b>  |  |          |

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