

VOLVO CONSTRUCTION EQUIPMENT MATRIS REPORT

| | | | |
|--|--------------------------------|---|-----------------------------------|
| Machine model A25F | SerialNo 80034 | Operating Hours 4244.6 | Reading Date 11/23/2015 |
| Company name Asset Appraisal | Dealer | Report Issuer | |
| Contact name | Technician appraiser | Primary Application Earth moving construction | |
| Site | Workorder | Ground Condition | |

MATRIS Reading, Summary / Recommendation

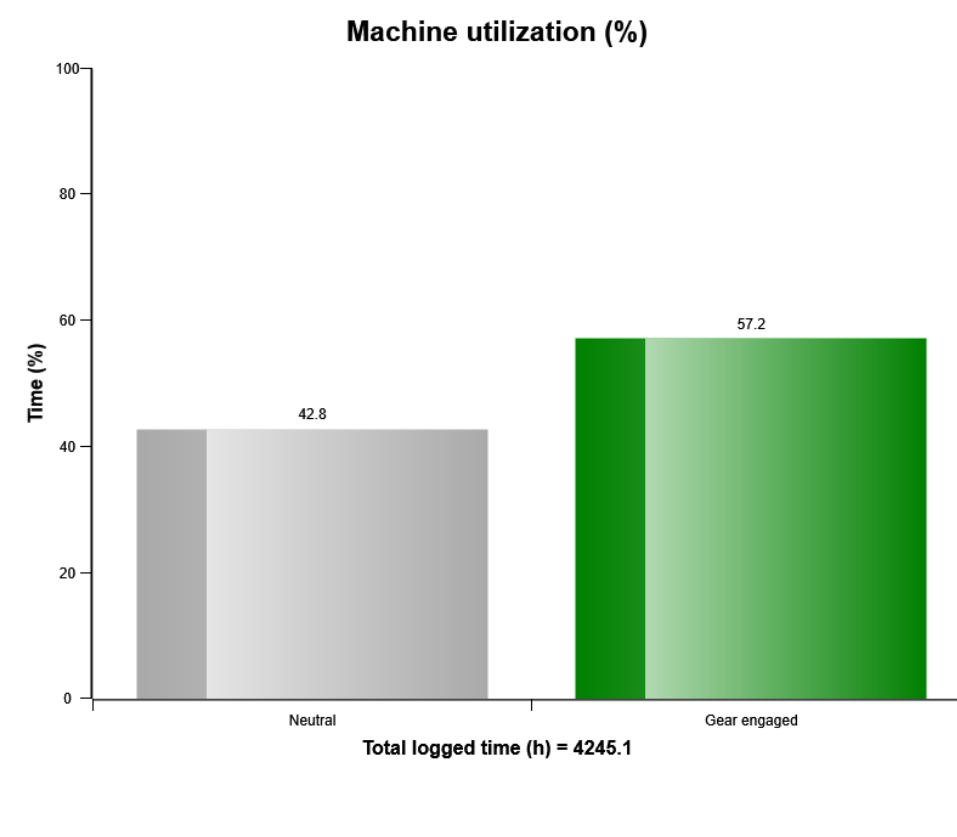


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|---------------|----------|-----------------|--------------|
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| Main equipment | Type | Equipment |
|----------------|------------------|--------------------|
| | Tyre size/class | Sold without tyres |
| | Body extensions | Not mounted |
| | Tail-gate | Not mounted |
| | Extra spillguard | Not mounted |
| | Wear plates | Not mounted |
| | Pattern | None |



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The diagram shows a simplified presentation of the machines utilization based on the relation between time in gear and time in neutral. The "Gear engaged " includes both forward and reverse gears.

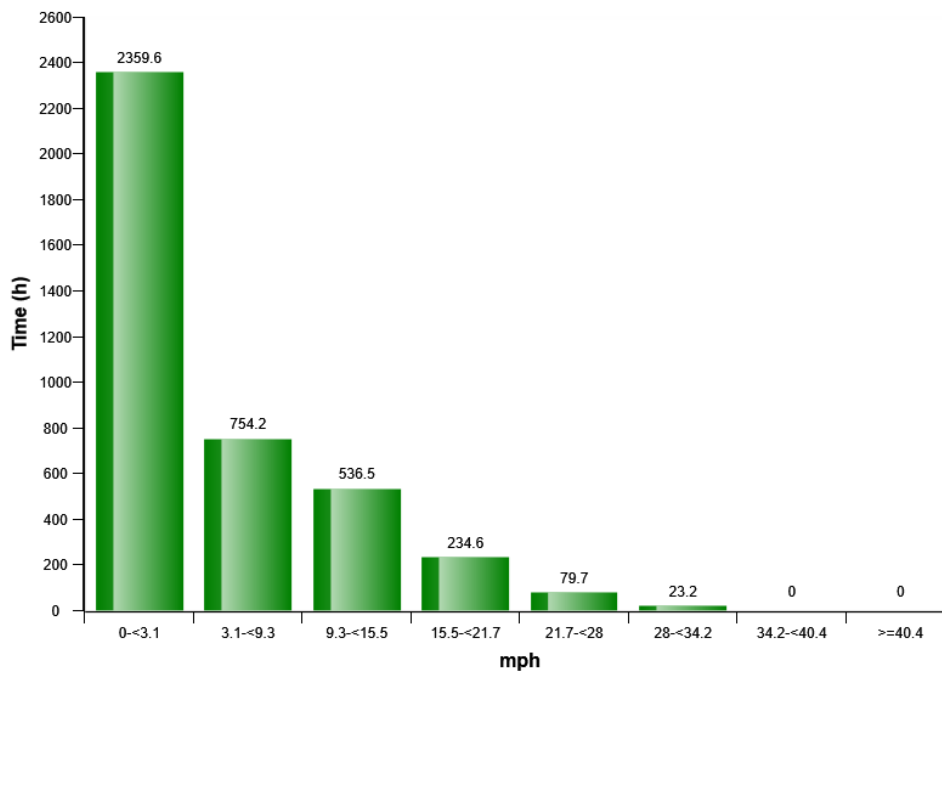
This presentation of the machines utilization can only be seen as a guideline value since a full calculation of the machines utilization is more advanced. E.g. "Neutral" includes time for loading and dumping which should be seen as operating time.

High percentage of neutral time may indicate that the machine is underused due to e.g. under dimensioned loading tool or oversized hauler fleet



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Machine speed, distribution



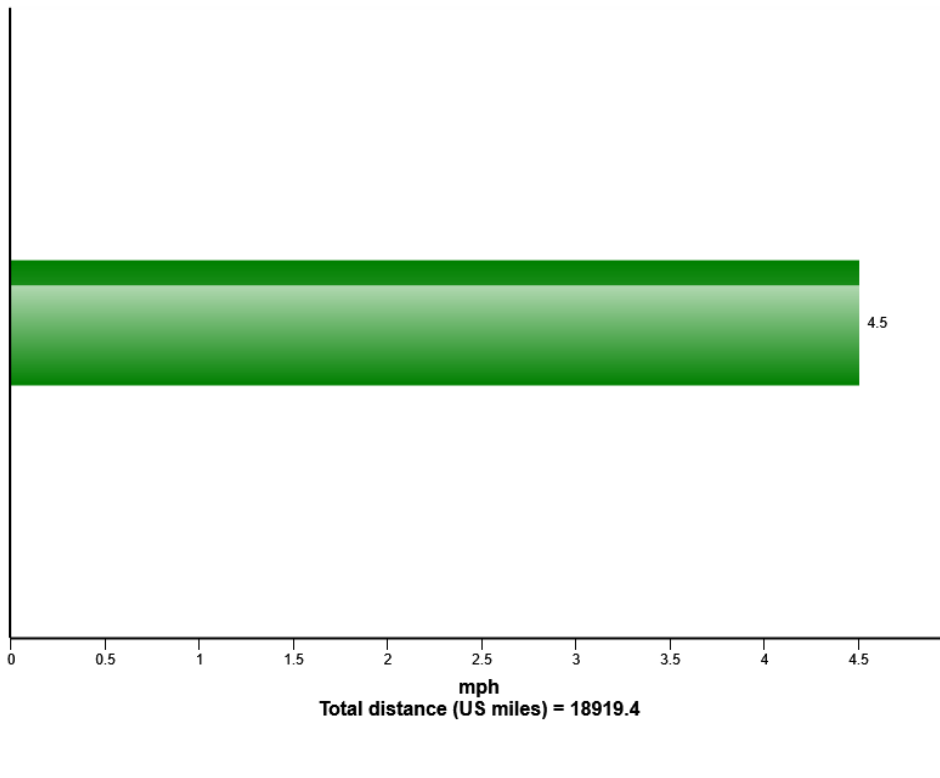
The presentation shows the time in hours in speed-intervals for the machine.

Note that the interval 0-3,1 mile/h includes machine not in motion. If the machine has been operated above 34,2 Mile/h there is a risk of engine over speed, check "Engine speed, over 2100 rpm"



| | | | |
|---------------|----------|-----------------|--------------|
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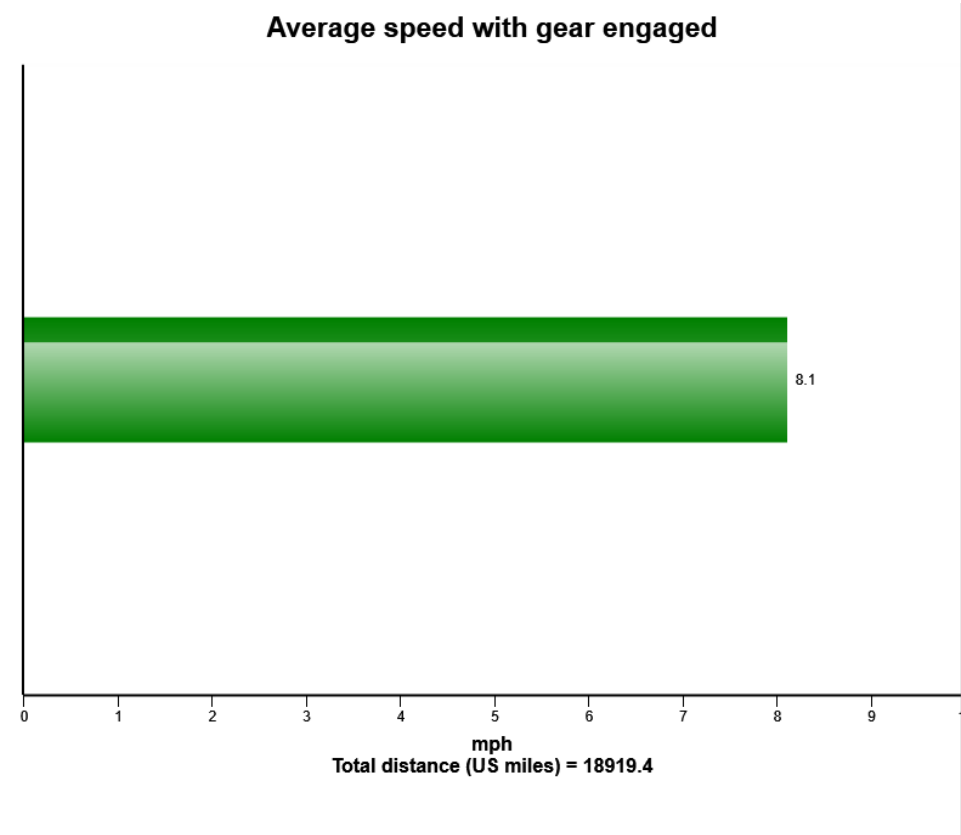
Average speed over total operating hours



The diagram shows the machines average speed based on the total operating hours



| | | | |
|---------------|----------|-----------------|--------------|
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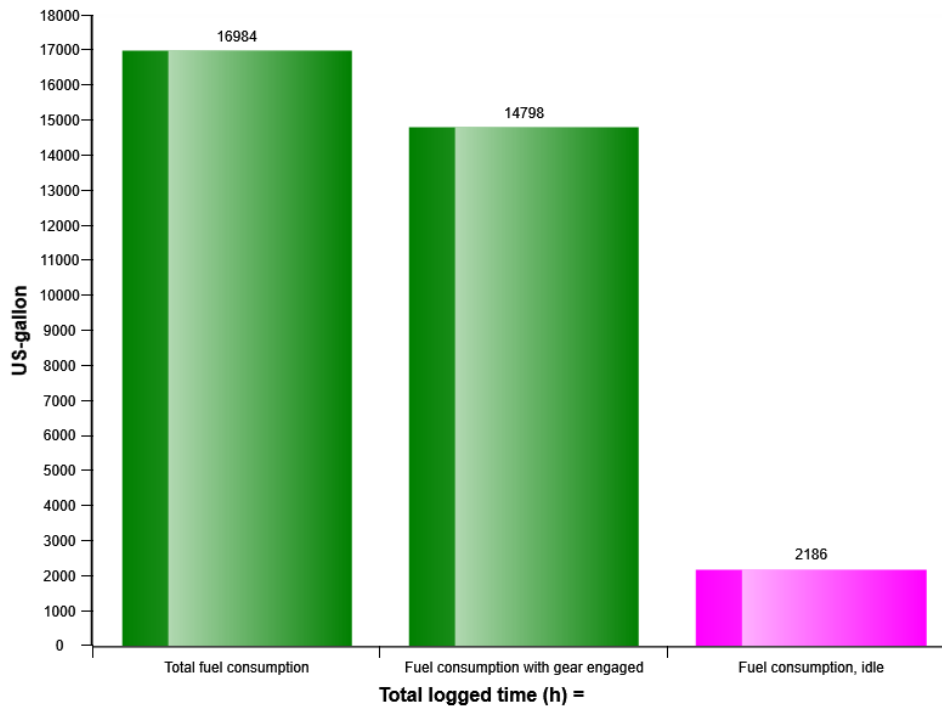


The diagram shows the machines average speed based on the operating hours with gear engaged.



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Fuel consumption

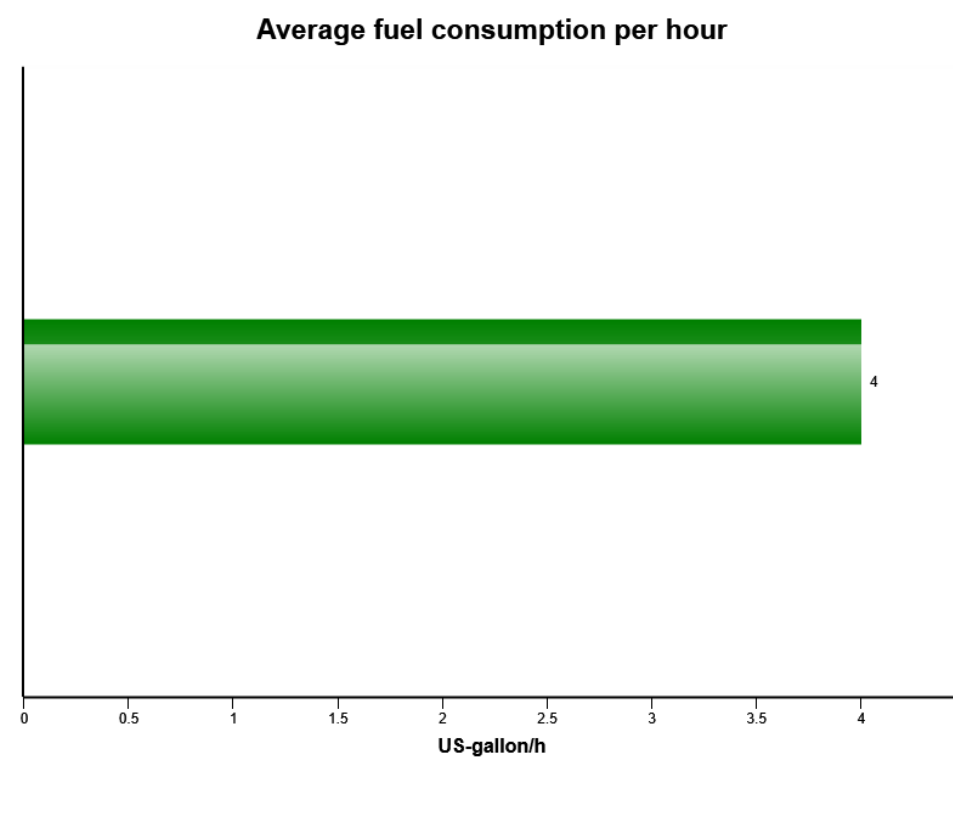


An error has occurred while processing HtmlTextBox 'htmlTextBox1':
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|---------------|----------|-----------------|--------------|
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Average fuel consumption per hour

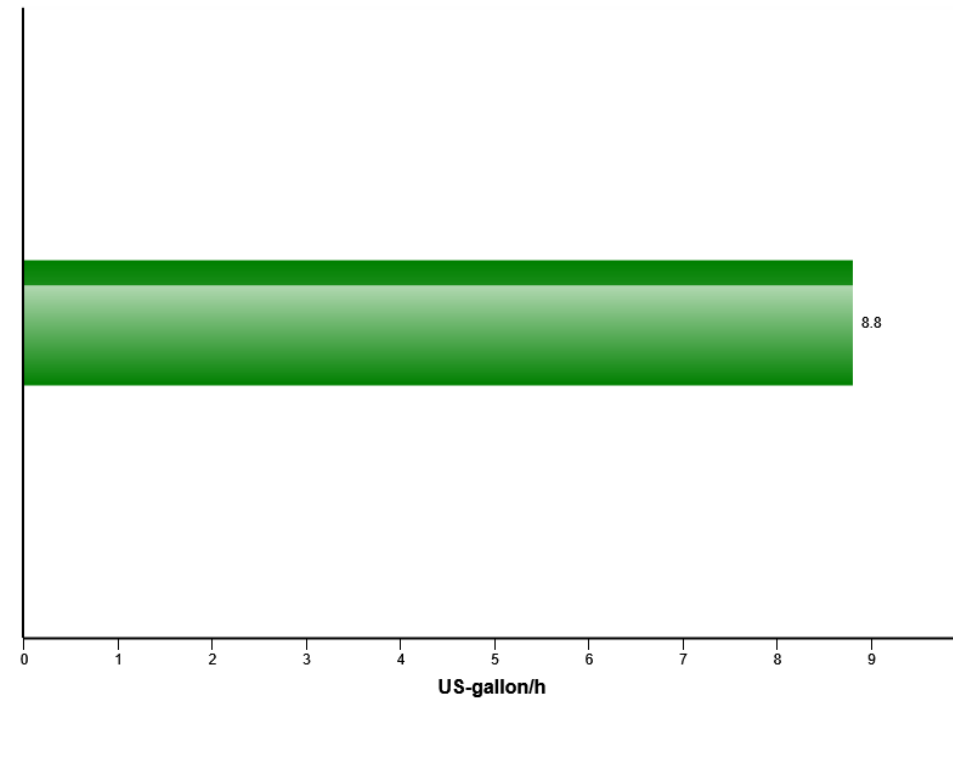


The diagram shows the average fuel consumption based on total operating hours



| | | | |
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Average fuel consumption per hour with gear engaged

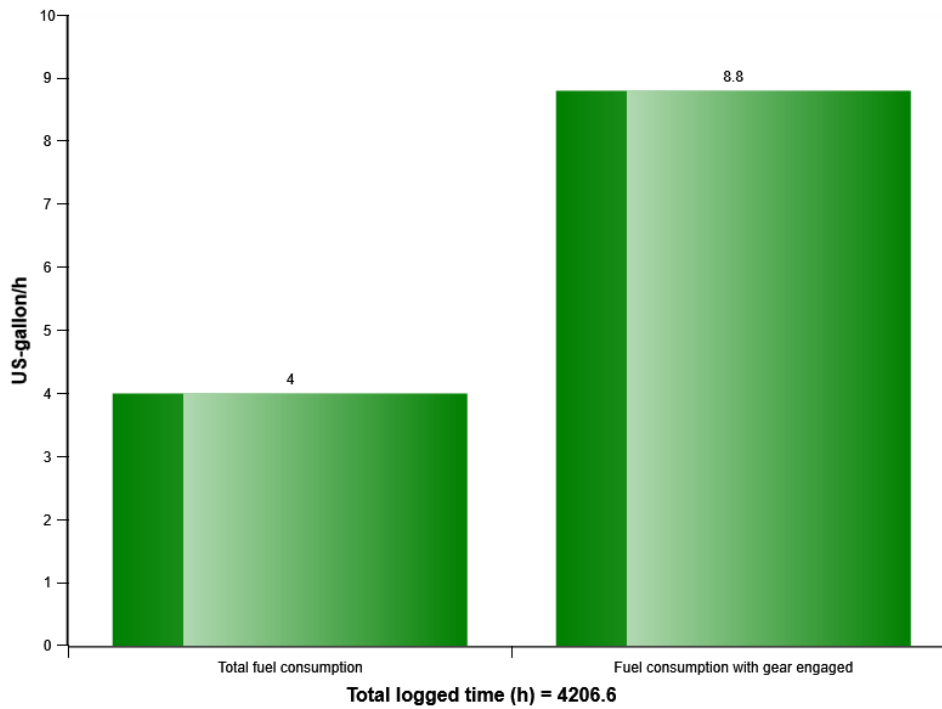


The diagram shows the average fuel consumption based on operating hours with gear engaged



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|---------------|----------|-----------------|--------------|
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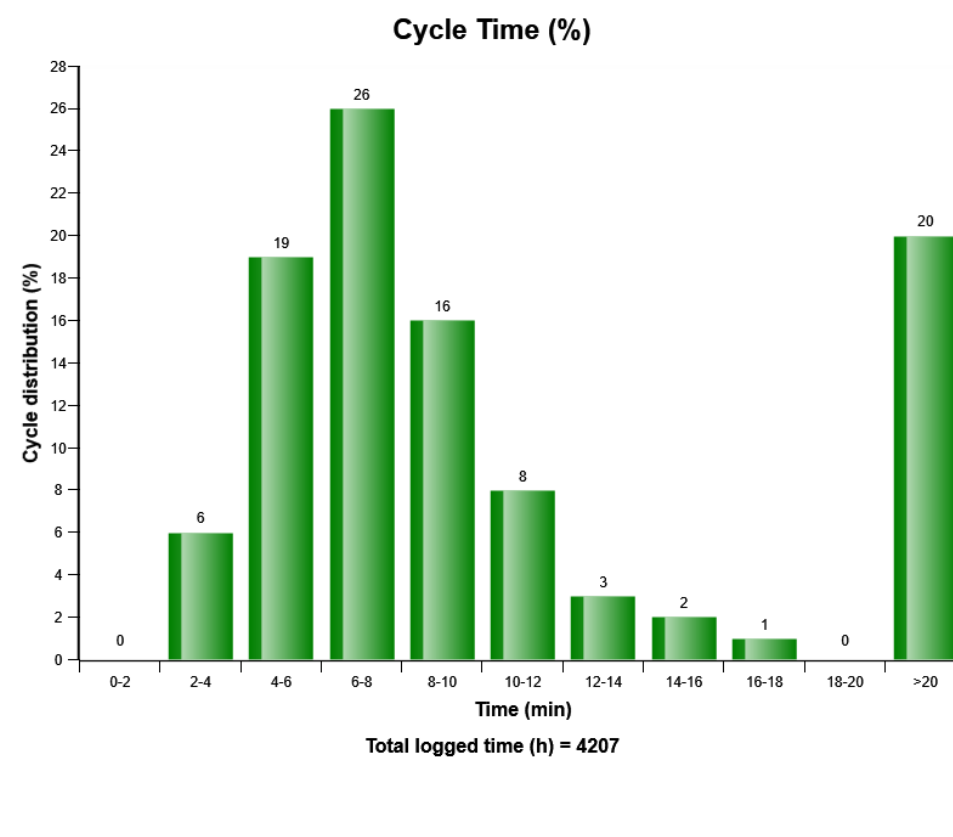
Average fuel consumption



An error has occurred while processing HtmlTextBox 'htmlTextBox1':
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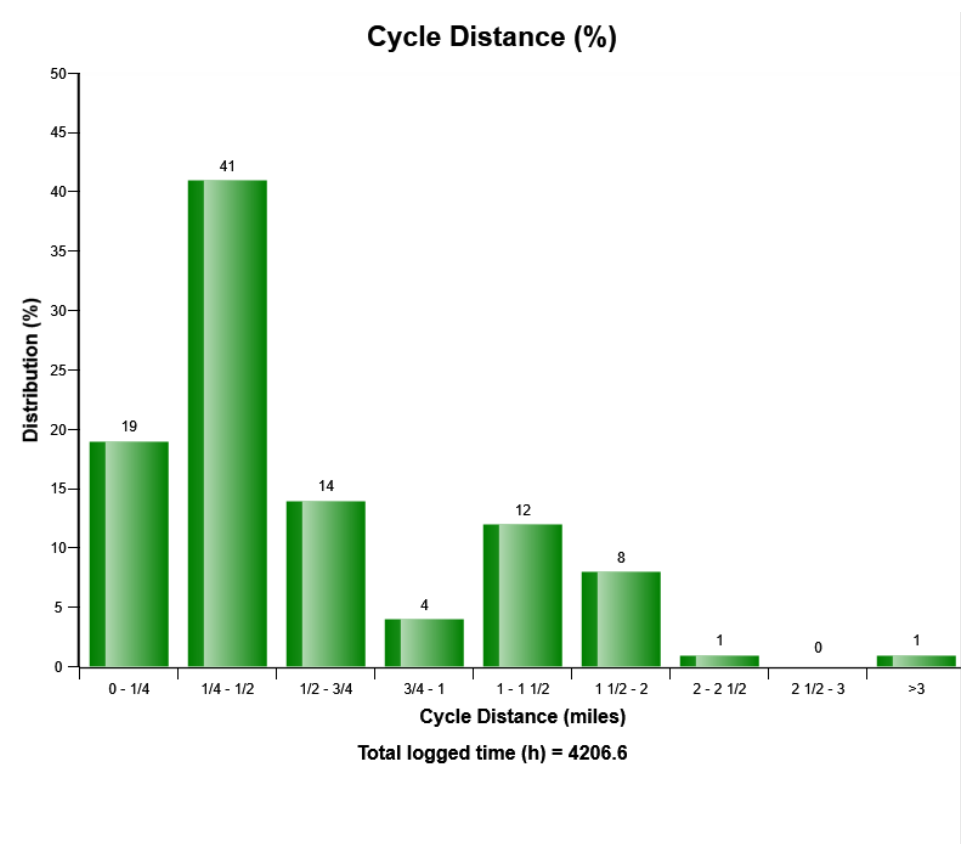
| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
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The diagram shows the distribution of the working cycle time. The time between 2 valid cycle registrations is registered. Time starts from lifting the body.



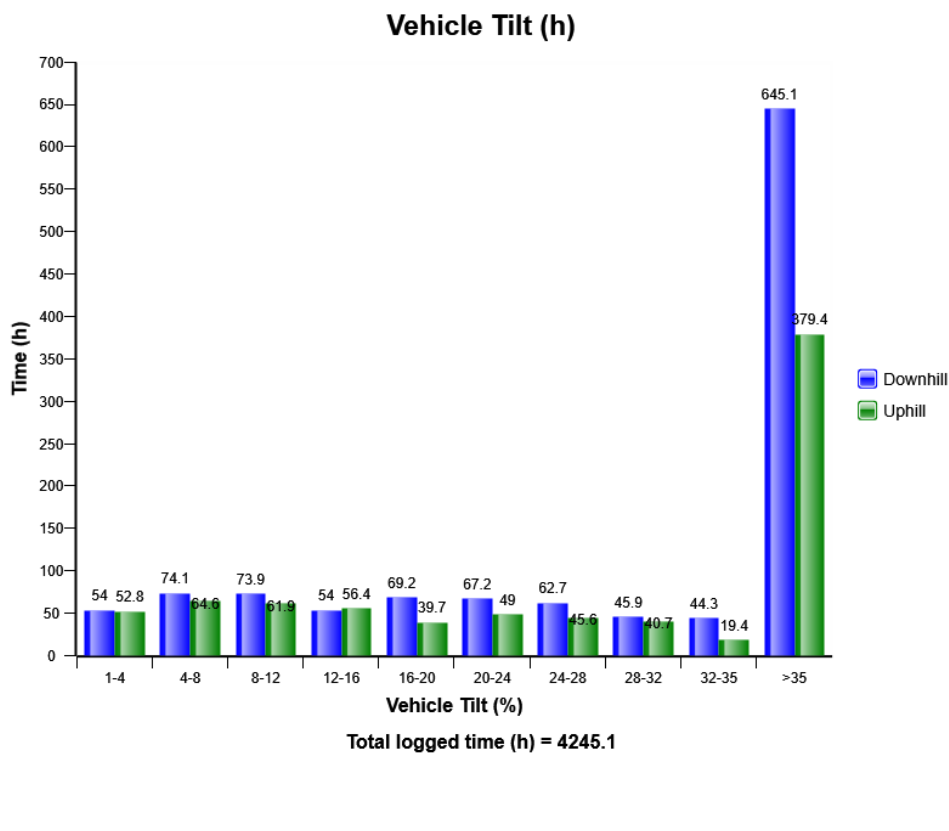
| | | | |
|---------------|----------|-----------------|--------------|
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The diagram shows the distribution of the working cycle distance. The distance driven between 2 valid cycle registrations.



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|---------------|----------|-----------------|--------------|
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The diagram shows the distribution of the longitudinal tilt in percent (not degrees), the criteria to get registrations is that the vehicle speed exceeds 1km/h (0,62mph) and that the engine is on.



| | | | |
|---------------|----------|-----------------|--------------|
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Regeneration ignored
Total number of ignored regenerations 56

| | Op hours | Year | Month | Day | Hour | Minute | Duration (min) |
|---|----------|------|-------|-----|------|--------|----------------|
| * | 3414 | 2015 | 1 | 20 | 10 | 1 | 0 |
| * | 3414 | 2015 | 1 | 19 | 13 | 6 | 5 |
| * | 3414 | 2015 | 1 | 19 | 12 | 56 | 7 |
| * | 3414 | 2015 | 1 | 19 | 13 | 53 | 15 |
| * | 3414 | 2015 | 1 | 20 | 14 | 48 | 31 |
| * | 3414 | 2015 | 1 | 19 | 15 | 43 | 0 |
| * | 3414 | 2015 | 1 | 20 | 13 | 2 | 1 |
| * | 3414 | 2015 | 1 | 20 | 12 | 54 | 0 |
| * | 3414 | 2015 | 1 | 20 | 10 | 43 | 0 |
| * | 3414 | 2015 | 1 | 20 | 13 | 27 | 4 |
| * | 3415 | 2015 | 1 | 20 | 15 | 19 | 4 |
| * | 3415 | 2015 | 1 | 20 | 15 | 23 | 0 |
| * | 3415 | 2015 | 1 | 20 | 15 | 27 | 6 |
| * | 3415 | 2015 | 1 | 20 | 15 | 36 | 41 |
| * | 3415 | 2015 | 1 | 20 | 15 | 33 | 2 |
| * | 3416 | 2015 | 1 | 21 | 8 | 11 | 4 |
| * | 3416 | 2015 | 1 | 21 | 14 | 57 | 1 |
| * | 3416 | 2015 | 1 | 21 | 15 | 6 | 4 |
| * | 3416 | 2015 | 1 | 21 | 15 | 10 | 7 |
| * | 3416 | 2015 | 1 | 21 | 15 | 19 | 6 |



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
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Regeneration aborted
Total number of aborted regenerations 0

| | Op hours | Year | Month | Day | Hour | Minute |
|---|----------|------|-------|-----|------|--------|
| * | 3697 | 2015 | 3 | 20 | 12 | 36 |
| * | 3722 | 2015 | 3 | 23 | 15 | 9 |
| * | 3788 | 2015 | 4 | 1 | 11 | 29 |
| * | 3788 | 2015 | 4 | 1 | 11 | 28 |
| * | 3788 | 2015 | 4 | 1 | 11 | 21 |
| * | 3788 | 2015 | 4 | 1 | 10 | 45 |
| * | 3824 | 2015 | 4 | 8 | 10 | 36 |
| * | 3946 | 2015 | 5 | 9 | 8 | 21 |
| * | 4022 | 2015 | 6 | 3 | 13 | 2 |
| * | 4023 | 2015 | 6 | 3 | 13 | 28 |
| * | 4051 | 2015 | 6 | 8 | 10 | 59 |
| * | 4073 | 2015 | 6 | 17 | 13 | 50 |
| * | 4123 | 2015 | 6 | 26 | 10 | 57 |
| * | 4138 | 2015 | 6 | 28 | 13 | 40 |
| * | 4142 | 2015 | 7 | 7 | 11 | 54 |
| * | 4143 | 2015 | 7 | 8 | 12 | 44 |
| * | 4182 | 2015 | 8 | 27 | 13 | 26 |
| * | 4183 | 2015 | 9 | 8 | 7 | 12 |
| * | 4198 | 2015 | 9 | 18 | 10 | 54 |
| * | 4199 | 2015 | 9 | 18 | 11 | 40 |



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
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Regeneration duration
Total number of occurrences = 608

| | Op hours | Year | Month | Day | Hour | Minute | Duration (min) |
|---|----------|------|-------|-----|------|--------|----------------|
| * | 4051 | 2015 | 6 | 8 | 10 | 59 | 6 |
| * | 4052 | 2015 | 6 | 8 | 11 | 58 | 38 |
| * | 4063 | 2015 | 6 | 11 | 11 | 45 | 50 |
| * | 4073 | 2015 | 6 | 17 | 14 | 10 | 36 |
| * | 4073 | 2015 | 6 | 17 | 13 | 50 | 0 |
| * | 4087 | 2015 | 6 | 19 | 14 | 40 | 35 |
| * | 4099 | 2015 | 6 | 22 | 11 | 58 | 47 |
| * | 4109 | 2015 | 6 | 23 | 12 | 32 | 37 |
| * | 4123 | 2015 | 6 | 26 | 11 | 0 | 55 |
| * | 4123 | 2015 | 6 | 26 | 10 | 57 | 3 |
| * | 4131 | 2015 | 6 | 27 | 10 | 43 | 42 |
| * | 4138 | 2015 | 6 | 28 | 13 | 40 | 8 |
| * | 4142 | 2015 | 7 | 7 | 11 | 54 | 4 |
| * | 4143 | 2015 | 7 | 8 | 12 | 44 | 1 |
| * | 4144 | 2015 | 7 | 30 | 9 | 16 | 38 |
| * | 4157 | 2015 | 8 | 10 | 12 | 22 | 37 |
| * | 4168 | 2015 | 8 | 14 | 12 | 11 | 37 |
| * | 4182 | 2015 | 8 | 27 | 13 | 26 | 9 |
| * | 4183 | 2015 | 9 | 8 | 7 | 12 | 51 |
| * | 4198 | 2015 | 9 | 18 | 10 | 54 | 46 |



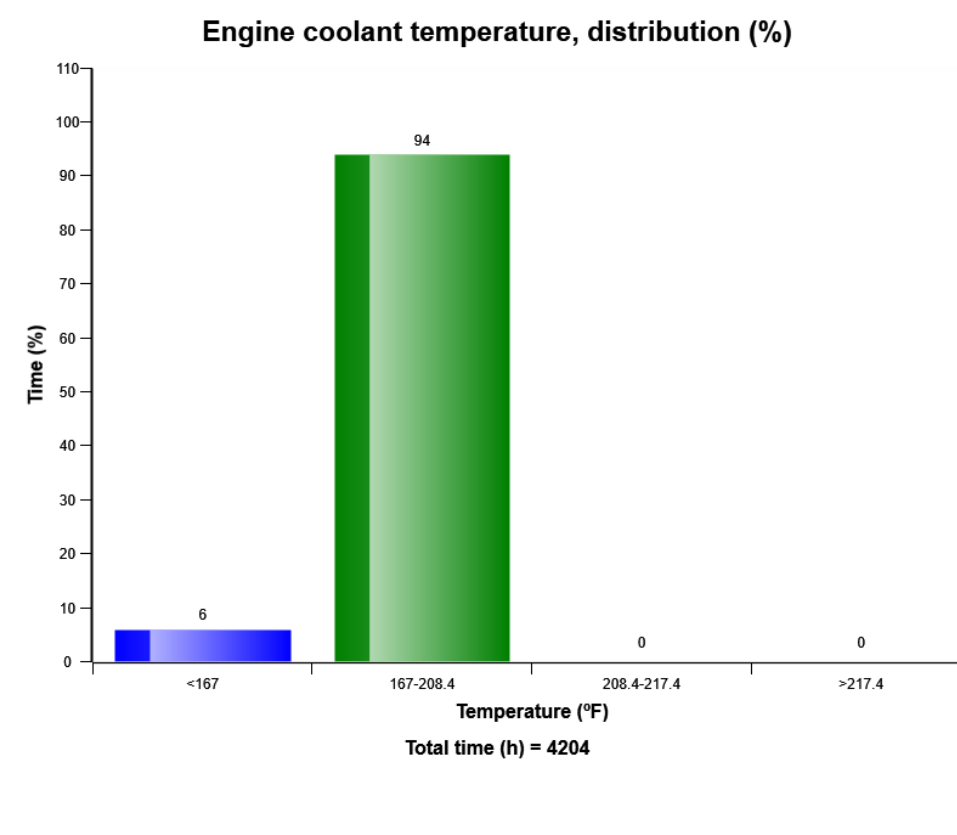
| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
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Regeneration intervals
Total number of occurrences = 2801

| | Op hours | Year | Month | Day | Hour | Minute | Duration (min) |
|---|----------|------|-------|-----|------|--------|----------------|
| * | 4205 | 2015 | 10 | 29 | 18 | 38 | 2 |
| * | 4205 | 2015 | 10 | 30 | 10 | 15 | 1 |
| * | 4205 | 2015 | 10 | 30 | 16 | 35 | 7 |
| * | 4205 | 2015 | 10 | 31 | 10 | 57 | 1 |
| * | 4205 | 2015 | 10 | 31 | 10 | 59 | 13 |
| * | 4206 | 2015 | 11 | 5 | 9 | 27 | 2 |
| * | 4206 | 2015 | 11 | 5 | 9 | 11 | 5 |
| * | 4206 | 2015 | 11 | 4 | 15 | 13 | 4 |
| * | 4206 | 2015 | 11 | 4 | 12 | 45 | 4 |
| * | 4206 | 2015 | 11 | 4 | 10 | 42 | 3 |
| * | 4206 | 2015 | 11 | 3 | 14 | 11 | 1 |
| * | 4206 | 2015 | 11 | 3 | 9 | 1 | 0 |
| * | 4206 | 2015 | 11 | 3 | 10 | 57 | 0 |
| * | 4206 | 2015 | 11 | 16 | 16 | 21 | 22 |
| * | 4206 | 2015 | 11 | 3 | 8 | 23 | 4 |
| * | 4206 | 2015 | 11 | 2 | 17 | 25 | 0 |
| * | 4206 | 2015 | 11 | 2 | 17 | 3 | 5 |
| * | 4206 | 2015 | 10 | 31 | 11 | 23 | 3 |
| * | 4206 | 2015 | 11 | 3 | 13 | 47 | 1 |
| * | 4206 | 2015 | 11 | 23 | 10 | 3 | 20 |



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
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Definition:

The graph shows the time distribution of the temperature, while engine running.

Explanation:

Y-axis: Time

X-axis: Temperature distribution in classes.

Blue bar = Warm-up phase.

During the engine warm-up phase, this temperature region is passed.

It is normal to have registrations in this region.

Green bar = Normal working temperature. The Major part of the registrations shall be in this



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|---------------|----------|-----------------|--------------|
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region.

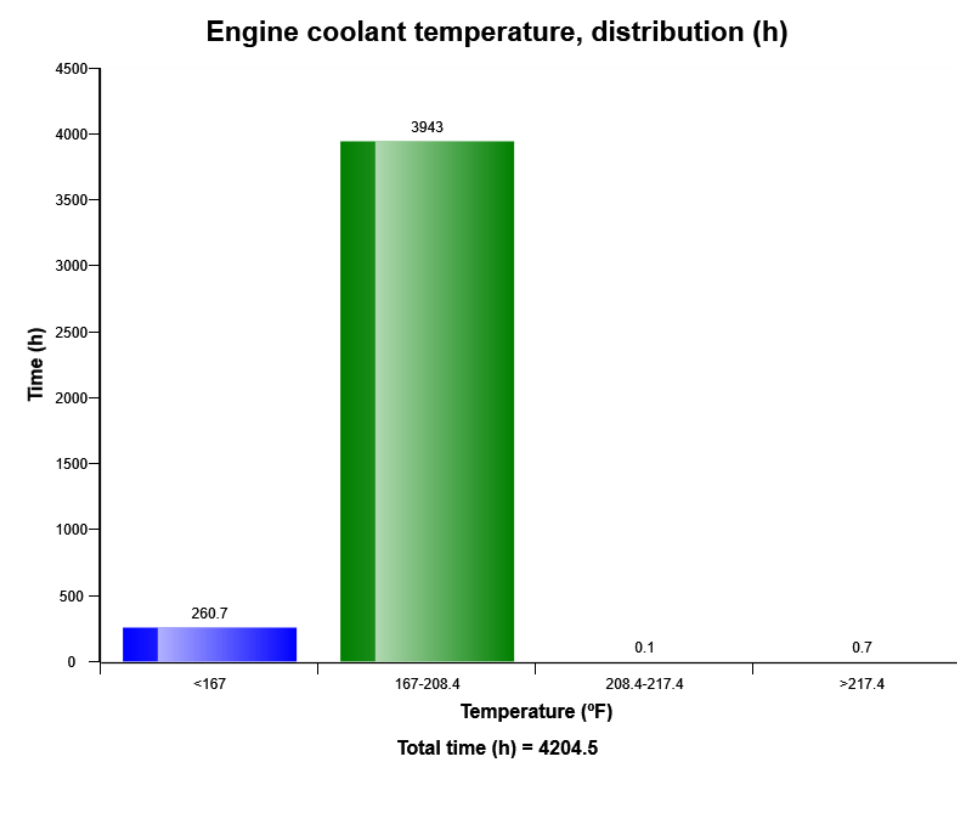
Yellow bar = High working temperature. It is normal to have some registrations in this region.

Red bar = Alarm.

Registrations in this region is not normal, running in this region may cause severe damage.



| | | | |
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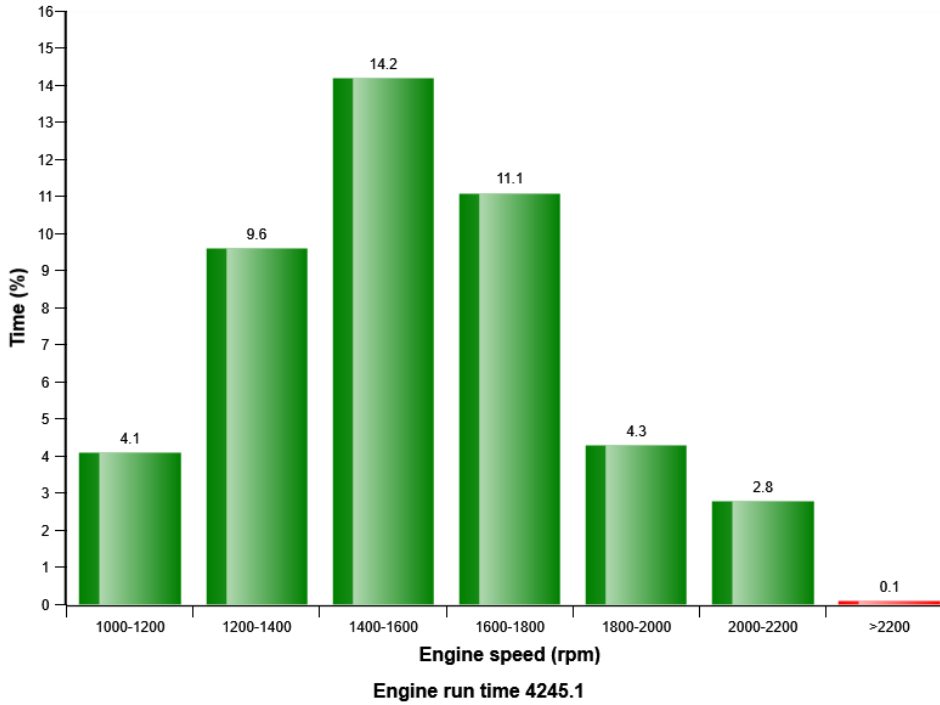
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| | | | |
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Engine speed, distribution (%)

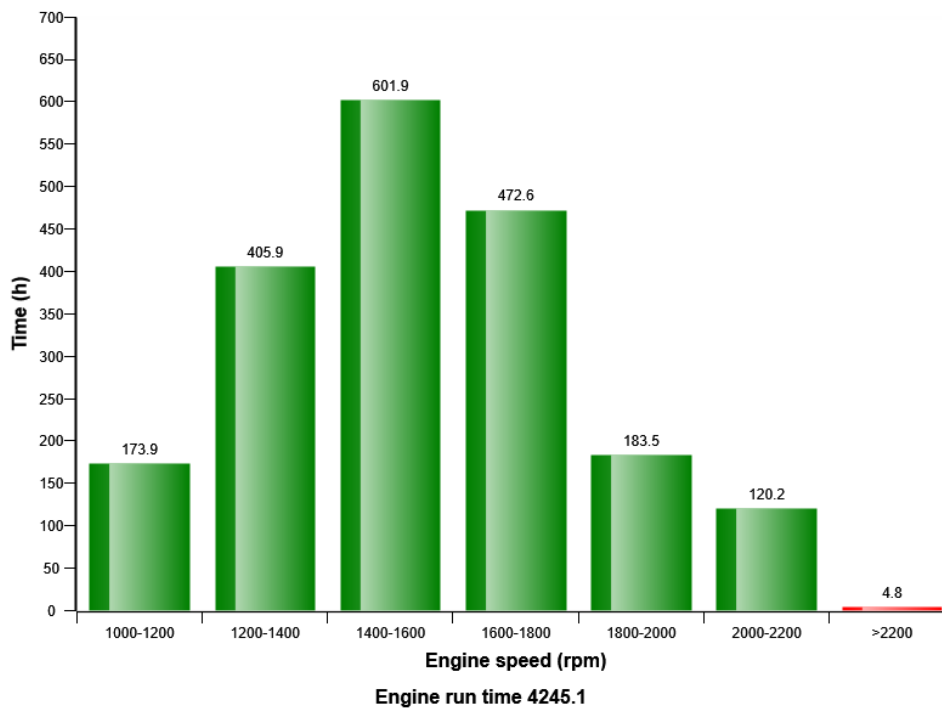


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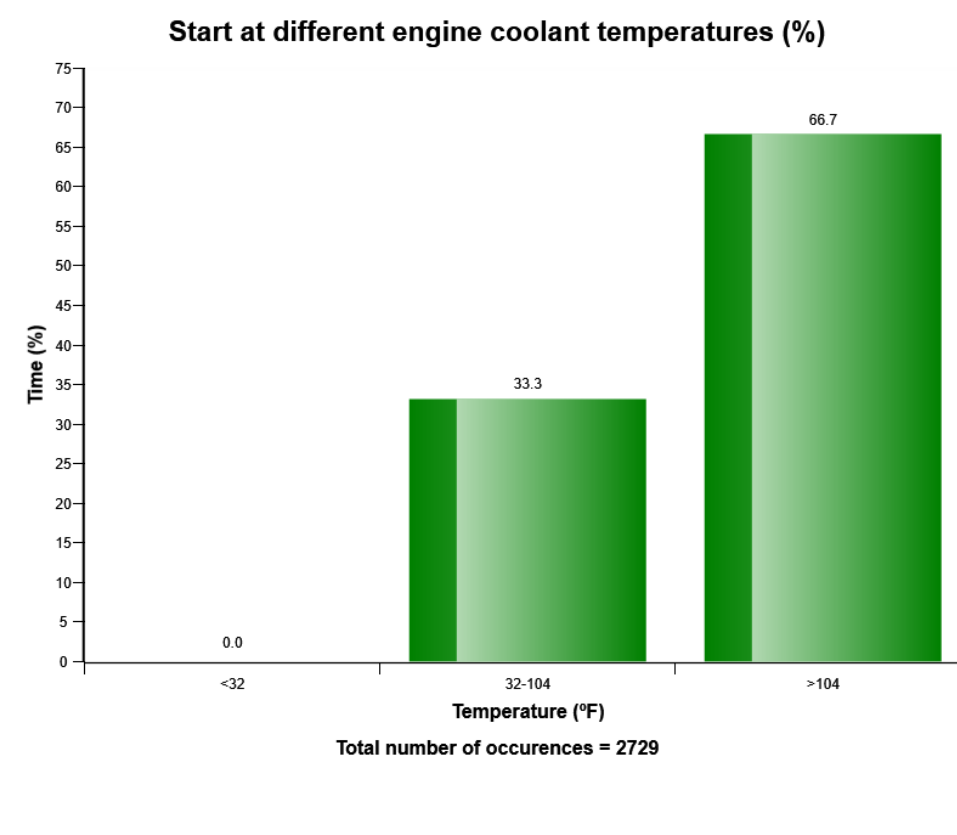
Engine speed, distribution (h)



An error has occurred while processing HtmlTextBox 'htmlTextBox1':
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| | | | |
|---------------|----------|-----------------|--------------|
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Definition:

The graph shows the distribution of engine coolant temperature, at the starting moment.

Explanation:

Y-axis: Number of engine starts

X-axis: Engine coolant temperature.

A great proportion of engine wear is due to cold starts. Try to avoid extremely cold starts. Try using an electric coolant heater.

Under the graph the total number of engine starts is displayed.

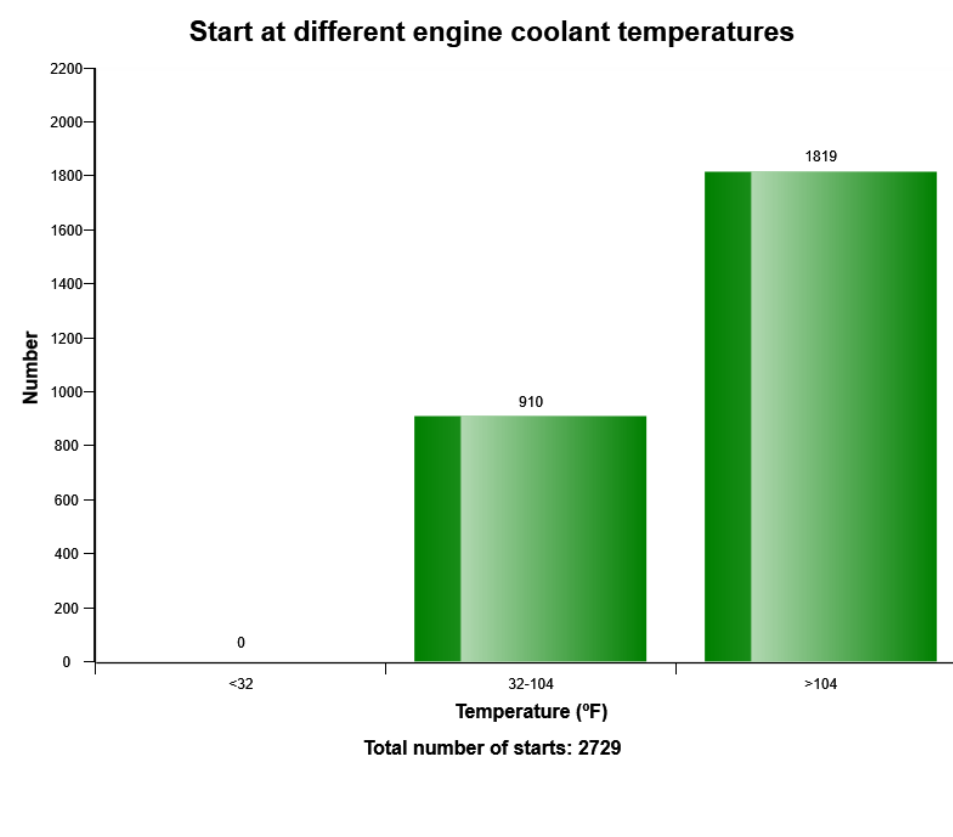
Also see " *Number of starts / hour*" to get a complete picture of engine starting.



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
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| | | | |
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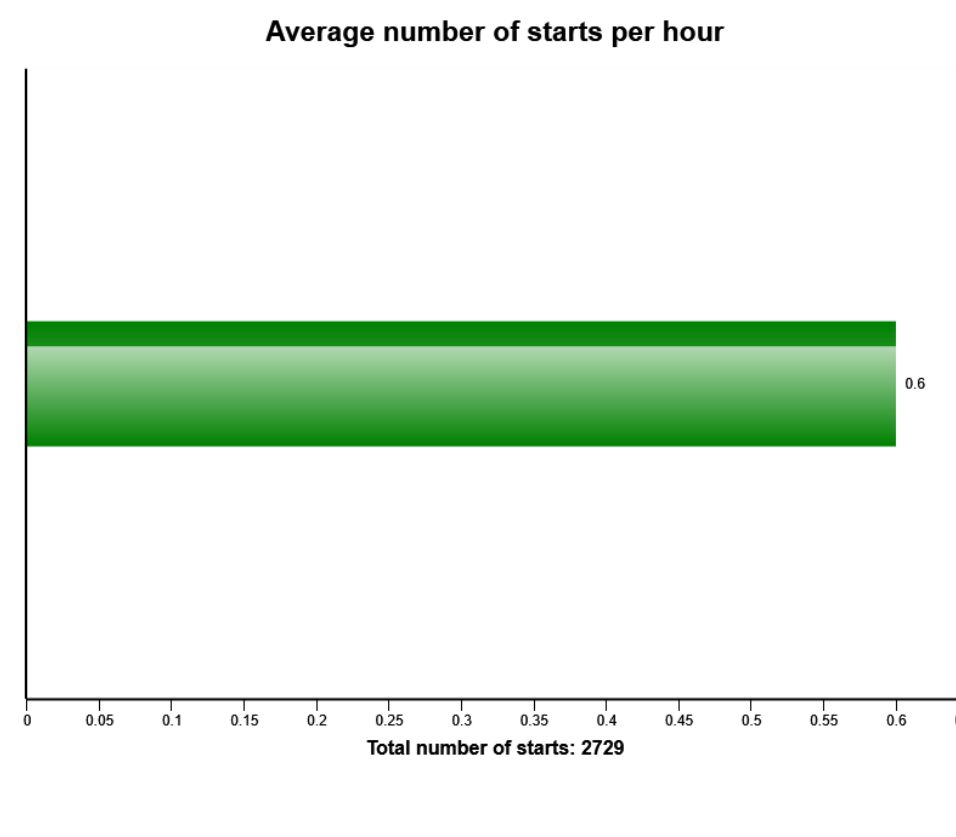
Also see " *Number of starts / hour*" to get a complete picture of engine starting.



| | | | |
|---------------|----------|-----------------|--------------|
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| | | | |
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Definition:

The graph describes the average number of engine starts per engine running hour.

Explanation:

X-axis: Number of average starts per hour.

The actual time used for calculation, is time with engine on

If the fuel consumption is high one reason may be that the engine is not turned off often enough, perhaps machine is left idling for long periods. Check " Machine utilization".

The value can vary a lot depending on in which application the machine is used.

To see at which different temperatures engine is started see" Start at different engine temperatures."



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
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Green bar = Number of average starts per hour



| | | | |
|---------------|----------|-----------------|--------------|
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**High engine coolant temperature
Total number of occurrences = 4**

| | Op hours | Year | Month | Day | Hour | Minute | Duration (sec) | Extreme (° F) |
|----------|----------|------|-------|-----|------|--------|----------------|---------------|
| E | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| F | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| G | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| H | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| I | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| J | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| A | 2817 | 2014 | 9 | 16 | 11 | 10 | 187 | 248 |
| B | 2817 | 2014 | 9 | 16 | 11 | 56 | 860 | 255 |
| C | 2817 | 2014 | 9 | 16 | 12 | 19 | 520 | 237 |
| D | 2817 | 2014 | 9 | 16 | 14 | 15 | 527 | 251 |

Definition :

This type of table shows the latest occasions when a specific event has occurred. When a specified criteria is fulfilled a registration is made. Each table row corresponds to one occasion. Operating hours is displayed in the first column, followed by year, month, day, hour and minute to show when an event has occurred.

The rows are not ordered chronological (The latest event may be in the middle).

Only one event per minute is registered.

Over the table the total number of events is displayed.

Duration :

The duration of each event is shown after the timestamp of the event.

The duration is counted as long as the criteria is fulfilled.

Extreme value :



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

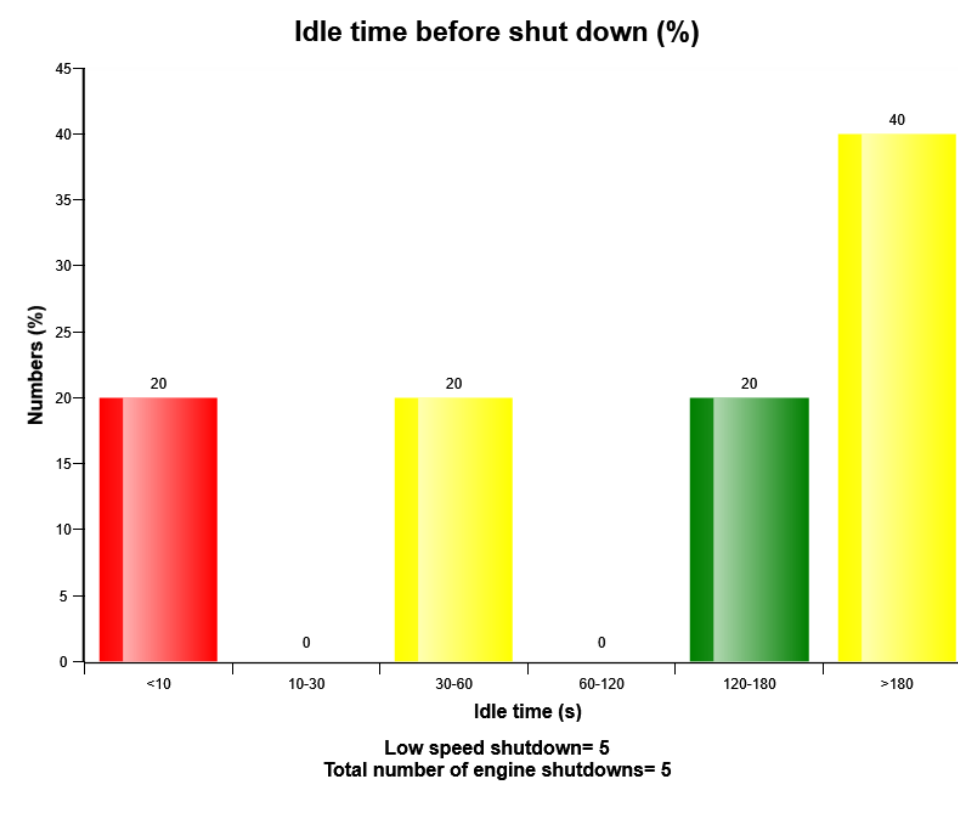
The extreme value column displays the most extreme value during the event.

Criteria :

The criteria to get an registration, is that the alarm signal for high engine coolant temperature is active and that the diesel engine is running.



| | | | |
|---------------|----------|-----------------|--------------|
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Definition:

This graph shows the distribution of delayed time at low idle speed until the engine is turned off.

The delayed time distribution for each bar is shown on top of its column in percentage.

The sum of bars is 100%.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
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**High engine oil temperature
Total number of occurrences = 0**

| | Op hours | Year | Month | Day | Hour | Minute | Duration (sec) | Extreme (° F) |
|----------|----------|------|-------|-----|------|--------|----------------|---------------|
| A | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| B | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| C | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| D | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| E | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| F | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| G | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| H | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| I | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| J | 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |

Definition :

This type of table shows the latest occasions when a specific event has occurred. When a specified criteria is fulfilled a registration is made. Each table row corresponds to one occasion. Operating hours is displayed in the first column, followed by year, month, day, hour and minute to show when an event has occurred.

The rows are not ordered chronological (The latest event may be in the middle).

Only one event per minute is registered.

Over the table the total number of events is displayed

Duration :

The duration of each event is shown after the timestamp of the event.

The duration is counted as long as the criteria is fulfilled.

Extreme value :



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

The extreme value column displays the most extreme value during the event.

Criteria :

The criteria to get an registration, is that the alarm signal for high engine oil temperature is active and that the diesel engine is running.



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|---------------|----------|-----------------|--------------|
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Alarm is registered if the starter is used continuously more than 40 seconds and if it is less than five minutes since the latest alarm .

Explanation:

X-axis: Number of times that the starter alarm has been activated.



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hours is displayed in the first column, followed by year, month, day, hour and minute to show when an event has occurred.

The rows are not ordered chronological (The latest event may be in the middle).

Only one event per minute is registered.

Over the table the total number of events is displayed.

Duration :

The duration of each event is shown after the timestamp of the event.

The duration is counted as long as the criteria is fulfilled.

Criteria :

The criteria to get an registration, is that the alarm signal for air filter clogged is active, and that the diesel engine is running.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
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High voltage
Total number of occurrences = 453

| Op hours | Year | Month | Day | Hour | Minute | Duration (sec) | Extreme value |
|----------|--------|-------|------|------|--------|----------------|---------------|
| 4180.0 | 2015.0 | 8.0 | 27.0 | 11.0 | 8.0 | 2.0 | 35.6 |
| 4180.0 | 2015.0 | 8.0 | 27.0 | 11.0 | 3.0 | 33.0 | 40.6 |
| 4180.0 | 2015.0 | 8.0 | 27.0 | 11.0 | 2.0 | 1.0 | 30.2 |
| 4180.0 | 2015.0 | 8.0 | 27.0 | 10.0 | 57.0 | 38.0 | 37.0 |
| 4180.0 | 2015.0 | 8.0 | 27.0 | 10.0 | 56.0 | 1.0 | 31.4 |
| 4181 | 2015 | 8 | 27 | 12 | 19 | 51 | 34 |
| 4181.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 2.0 | 1.0 | 31.2 |
| 4181.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 10.0 | 86.0 | 38.0 |
| 4181.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 17.0 | 1.0 | 35.0 |
| 4181.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 32.0 | 40.0 | 35.6 |
| 4181.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 31.0 | 1.0 | 29.8 |
| 4181.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 27.0 | 7.0 | 36.3 |
| 4181.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 22.0 | 2.0 | 34.7 |
| 4182.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 43.0 | 31.0 | 34.2 |
| 4182.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 55.0 | 0.0 | 29.9 |
| 4182.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 57.0 | 55.0 | 34.3 |
| 4182.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 40.0 | 17.0 | 32.1 |
| 4182.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 38.0 | 1.0 | 35.8 |
| 4182.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 48.0 | 4.0 | 38.5 |
| 4182.0 | 2015.0 | 8.0 | 27.0 | 12.0 | 52.0 | 28.0 | 37.5 |

Definition :

This type of table shows the latest occasions when a specific event has occurred. When a specified criteria is fulfilled a registration is made. Each table row corresponds to one occasion. Operating



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

hours is displayed in the first column, followed by year, month , day , hour and minute to show when an event has occurred.

The rows are not ordered chronological (The latest event may be in the middle).

Only one event per minute is registered.

Over the table the total number of events is displayed

Duration :

The duration of each event is shown after the timestamp of the event.

The duration is counted as long as the criteria is fulfilled.

Extreme value :

The extreme value column displays the most extreme value during the event.

Criteria :

Logging is performed when, Alarm high system voltage , is active.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

Low voltage
Total number of occurrences = 10

| Op hours | Year | Month | Day | Hour | Minute | Duration (sec) | Extreme value |
|----------|------|-------|-----|------|--------|----------------|---------------|
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1769 | 2013 | 12 | 2 | 11 | 13 | 0 | 286 |
| 3347 | 2014 | 12 | 29 | 9 | 54 | 1 | 177 |
| 3347 | 2014 | 12 | 29 | 9 | 54 | 0 | 85 |
| 3349 | 2015 | 1 | 2 | 8 | 49 | 1 | 106 |
| 3825 | 2015 | 4 | 8 | 12 | 42 | 4619 | 80 |
| 3826 | 2015 | 4 | 9 | 15 | 57 | 79 | 142 |
| 3826 | 2015 | 4 | 8 | 14 | 43 | 1053 | 75 |
| 4097 | 2015 | 6 | 22 | 9 | 20 | 0 | 291 |
| 4106 | 2015 | 6 | 23 | 9 | 33 | 11 | 232 |
| 4118 | 2015 | 6 | 24 | 14 | 34 | 5 | 183 |

Definition :

This type of table shows the latest occasions when a specific event has occurred. When a specified criteria is fulfilled a registration is made. Each table row corresponds to one occasion. Operating



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

hours is displayed in the first column, followed by year, month , day , hour and minute to show when an event has occurred.

The rows are not ordered chronological (The latest event may be in the middle).

Only one event per minute is registered.

Over the table the total number of events is displayed

Duration :

The duration of each event is shown after the timestamp of the event.

The duration is counted as long as the criteria is fulfilled.

Extreme value :

The extreme value column displays the most extreme value during the event.

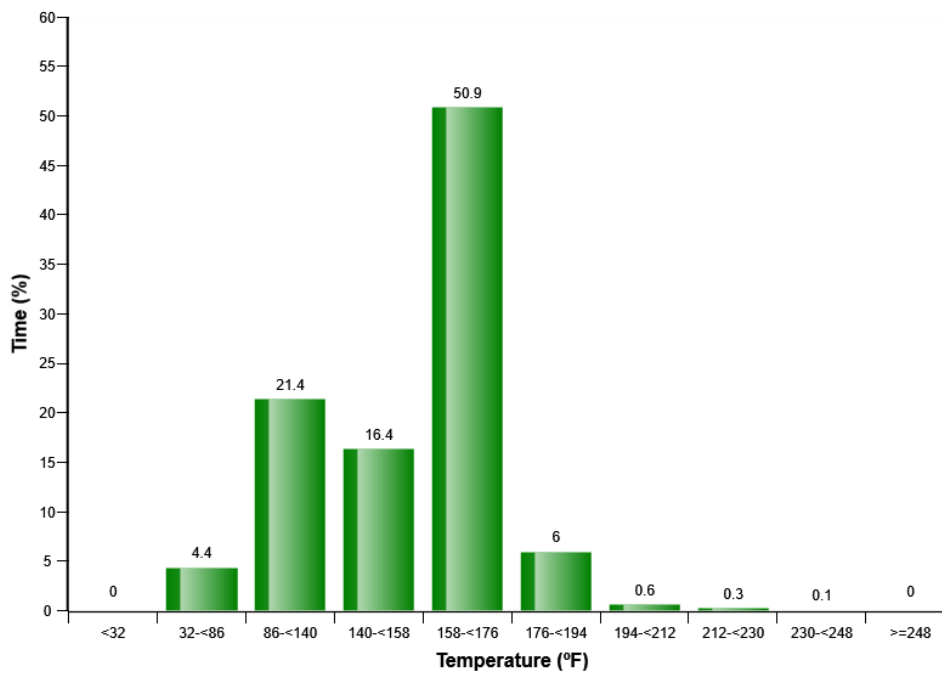
Criteria :

Logging is performed when, Alarm low system voltage , is active.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

Transmission oil, temperature distribution (%)



The diagram shows the transmission oil temperature in various temperature ranges. The time is displayed in the following ten temperature ranges:

<32°F Temperatures below 32°F

32-<86°F Temperatures from 32°F until 86°F

86-<140°F Temperatures from 86°F until 140°F

140-<158°F Temperatures from 140°F until 158°F

158-<176°F Temperatures from 158°F until 176°F

176-<194°F Temperatures from 176°F until 194°F

194-<212°F Temperatures from 194°F until 212°F



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

212-<230°F Temperatures from 212°F until 230°F

230-<248°F Temperatures from 230°F until 248°F

>248°F Temperatures over 248°F

The bar that describes temperatures from 230°F until 248°F is yellow and means that the oil has begun to be overheated. Driver has been given orange central warning

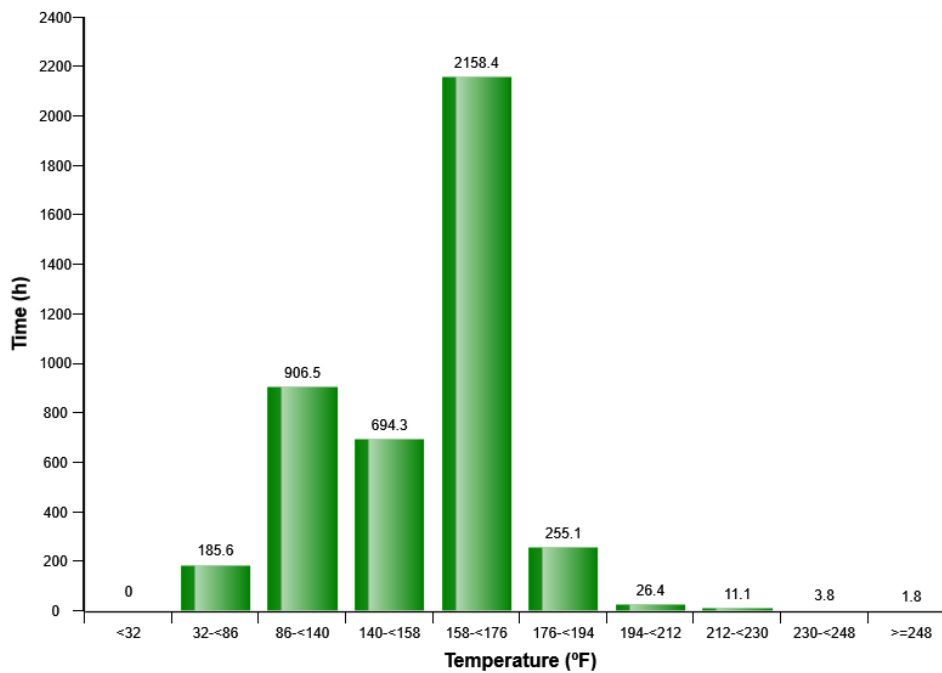
The bar that describes >248°F is red and means that the oil has been overheated. Driver has been given red central warning.

Oil temperatures exceeding 230°F must be avoided since the properties of the oil are degraded



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

Transmission oil, temperature distribution (h)



The diagram shows the transmission oil temperature in various temperature ranges. The time is displayed in the following ten temperature ranges:

<32°F Temperatures below 32°F

32-<86°F Temperatures from 32°F until 86°F

86-<140°F Temperatures from 86°F until 140°F

140-<158°F Temperatures from 140°F until 158°F

158-<176°F Temperatures from 158°F until 176°F

176-<194°F Temperatures from 176°F until 194°F

194-<212°F Temperatures from 194°F until 212°F



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

212-<230°F Temperatures from 212°F until 230°F

230-<248°F Temperatures from 230°F until 248°F

>248°F Temperatures over 248°F

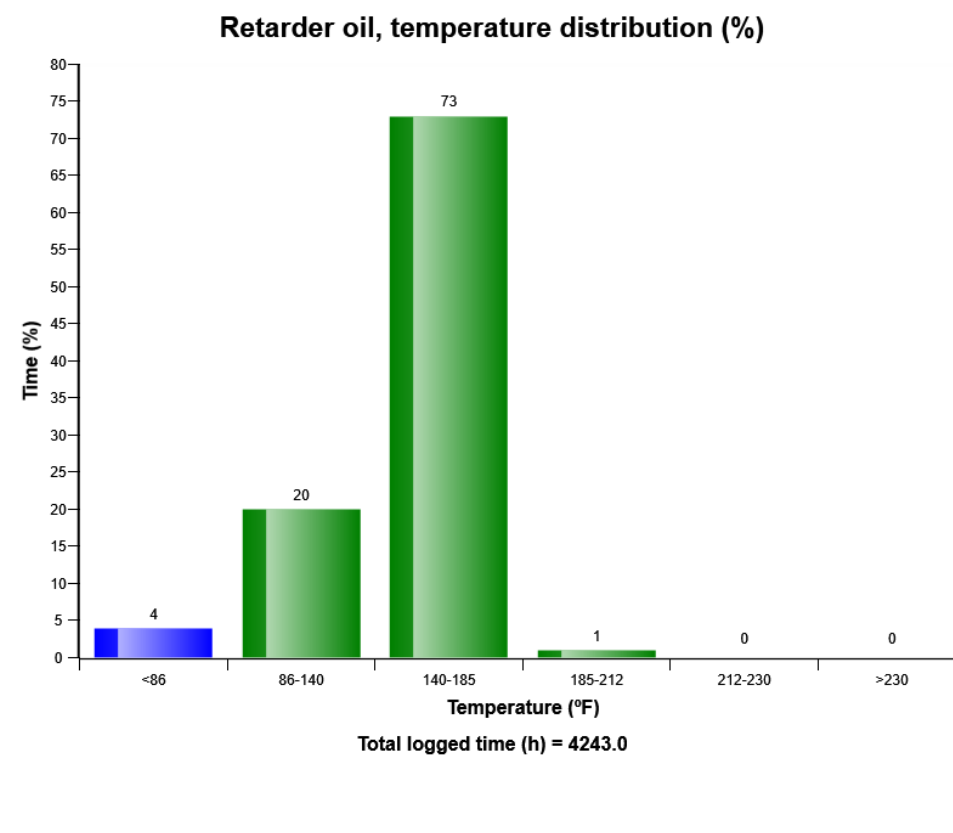
The bar that describes temperatures from 230°F until 248°F is yellow and means that the oil has begun to be overheated. Driver has been given orange central warning

The bar that describes >248°F is red and means that the oil has been overheated. Driver has been given red central warning.

Oil temperatures exceeding 230°F must be avoided since the properties of the oil are degraded



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |



Definition:

The graph shows the time distribution of the temperature, while engine running.

Explanation:

Y-axis: Time

X-axis: Temperature distribution in classes.

Blue bar = Warm-up phase.

During the engine warm-up phase, this temperature region is passed.

It is normal to have registrations in this region.

Green bar = Normal working temperature. The Major part of the registrations shall be in this



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

region.

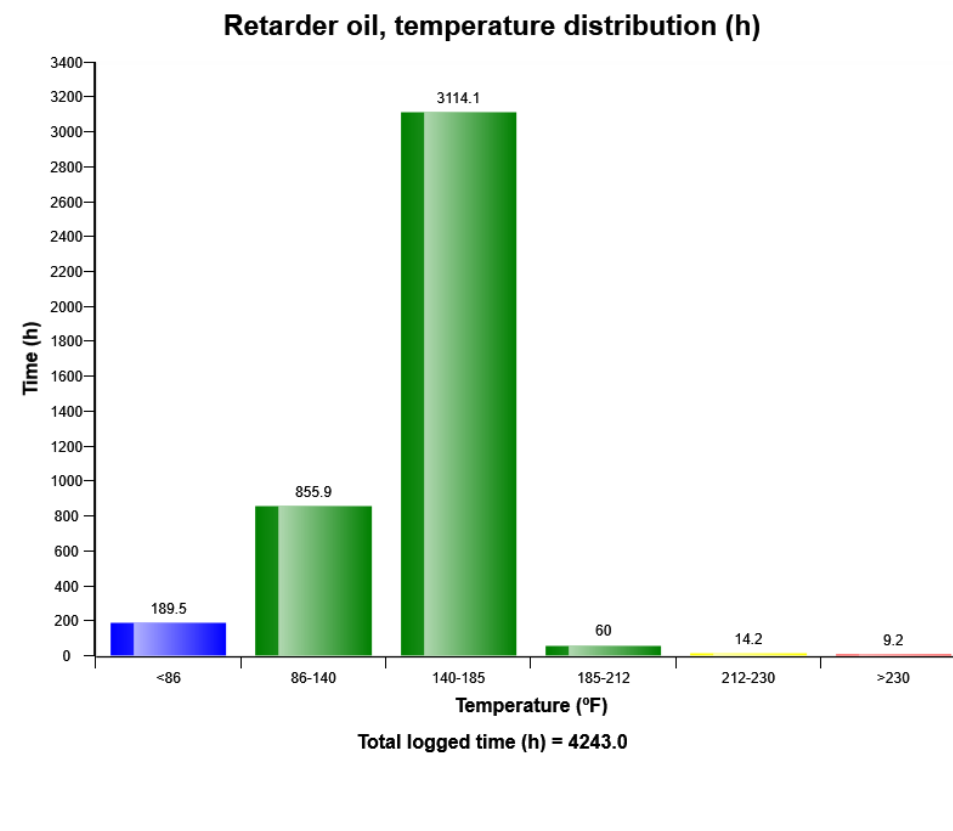
Yellow bar = High working temperature. It is normal to have some registrations in this region.

Red bar = Alarm.

Registrations in this region is not normal, running in this region may cause severe damage.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |



Definition:

The graph shows the time distribution of the temperature, while engine running.

Explanation:

Y-axis: Time

X-axis: Temperature distribution in classes.

Blue bar = Warm-up phase.

During the engine warm-up phase, this temperature region is passed.

It is normal to have registrations in this region.

Green bar = Normal working temperature. The Major part of the registrations shall be in this



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

region.

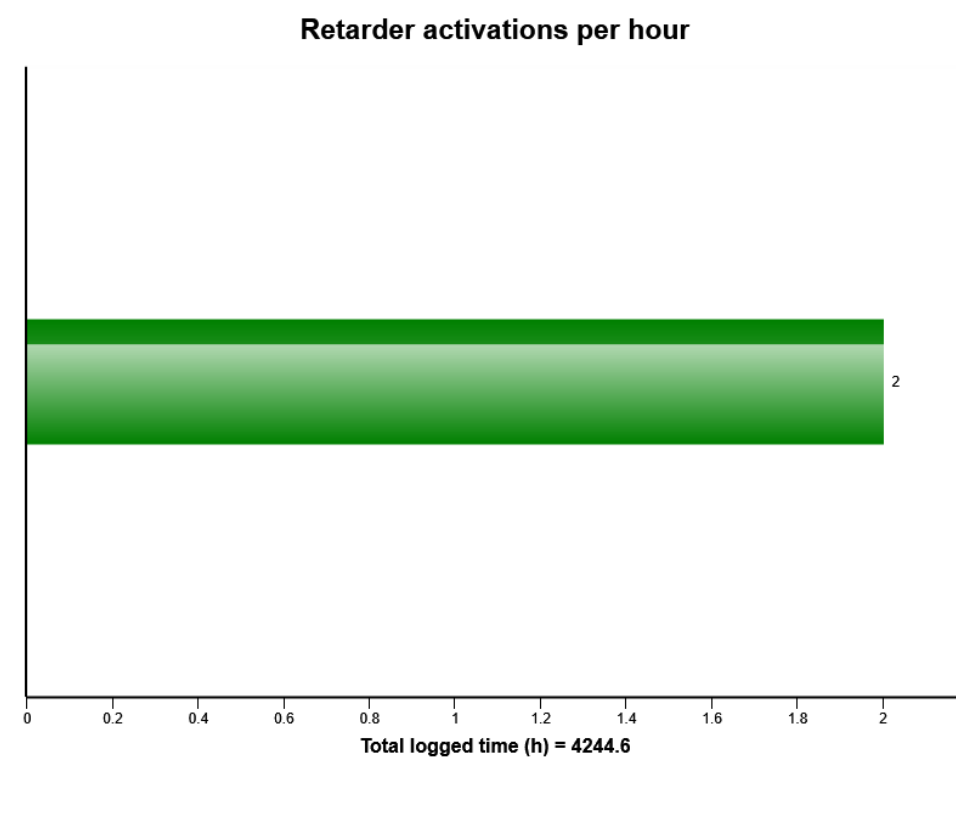
Yellow bar = High working temperature. It is normal to have some registrations in this region.

Red bar = Alarm.

Registrations in this region is not normal, running in this region may cause severe damage.



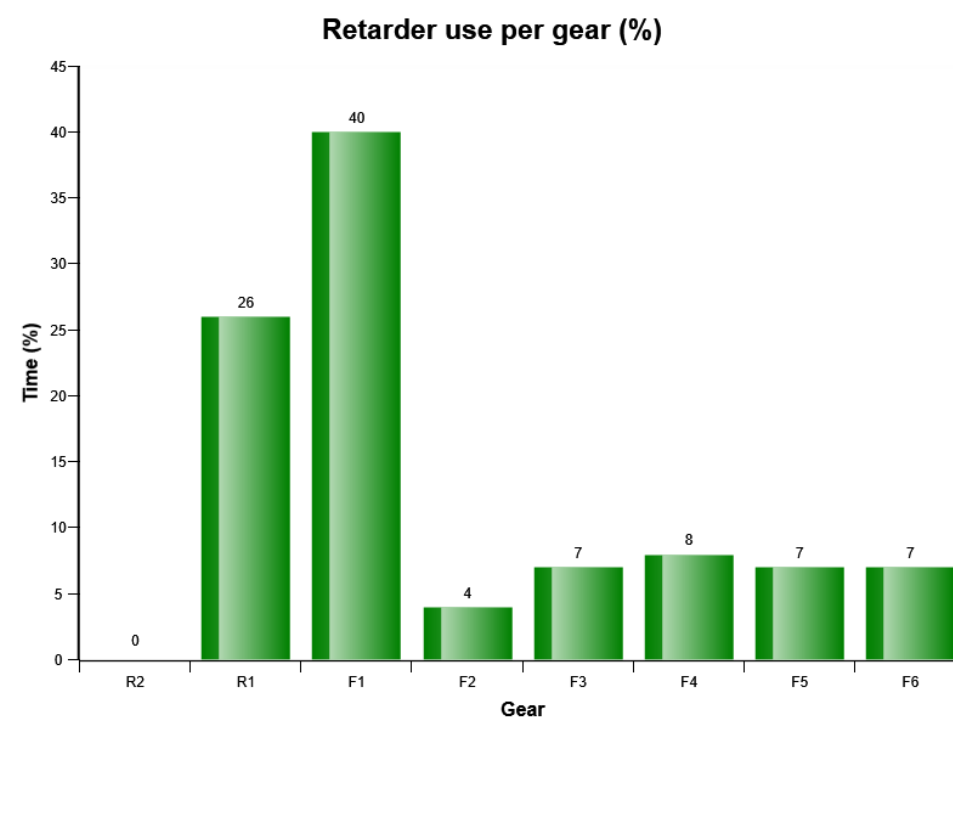
| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |



The diagram shows the number of times per hour that the retarder has been activated with the pedal.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

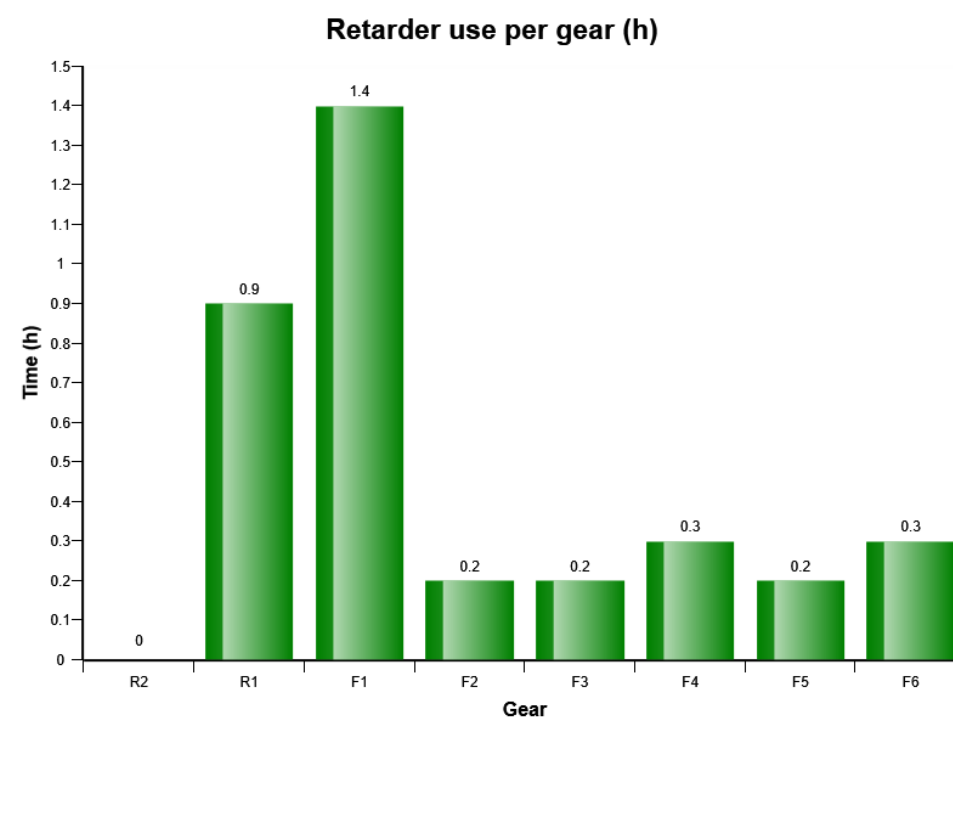


The diagram shows the time in percent of retarder in use related to respective gear.

-



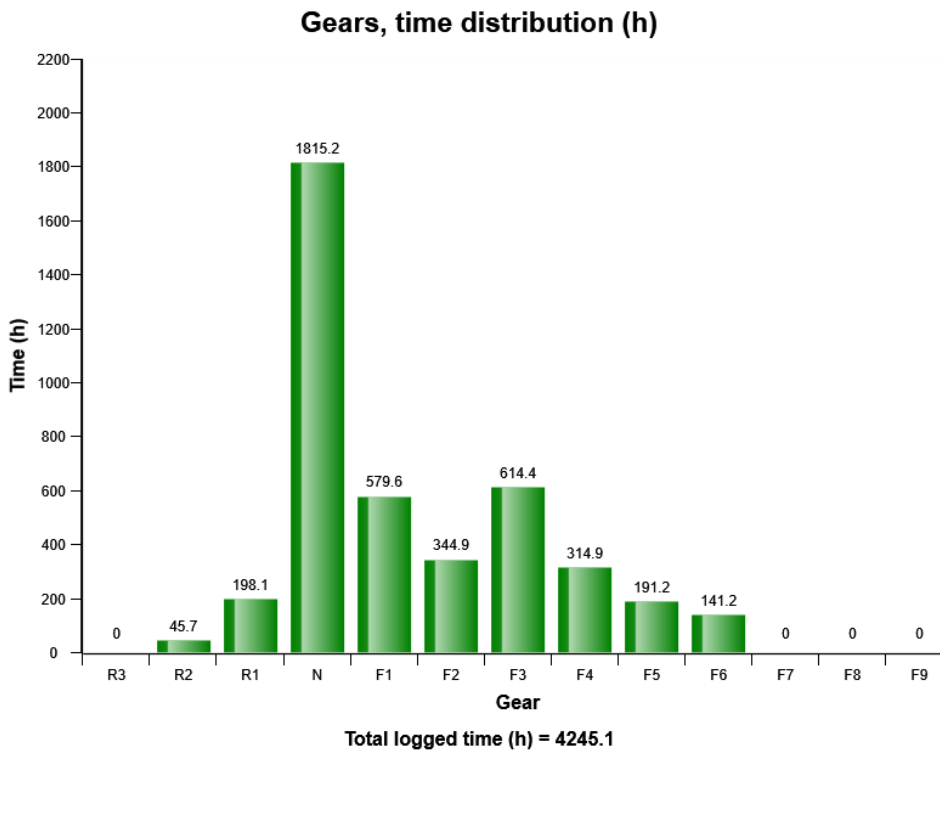
| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |



The diagram shows the time of retarder in use related to respective gear.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

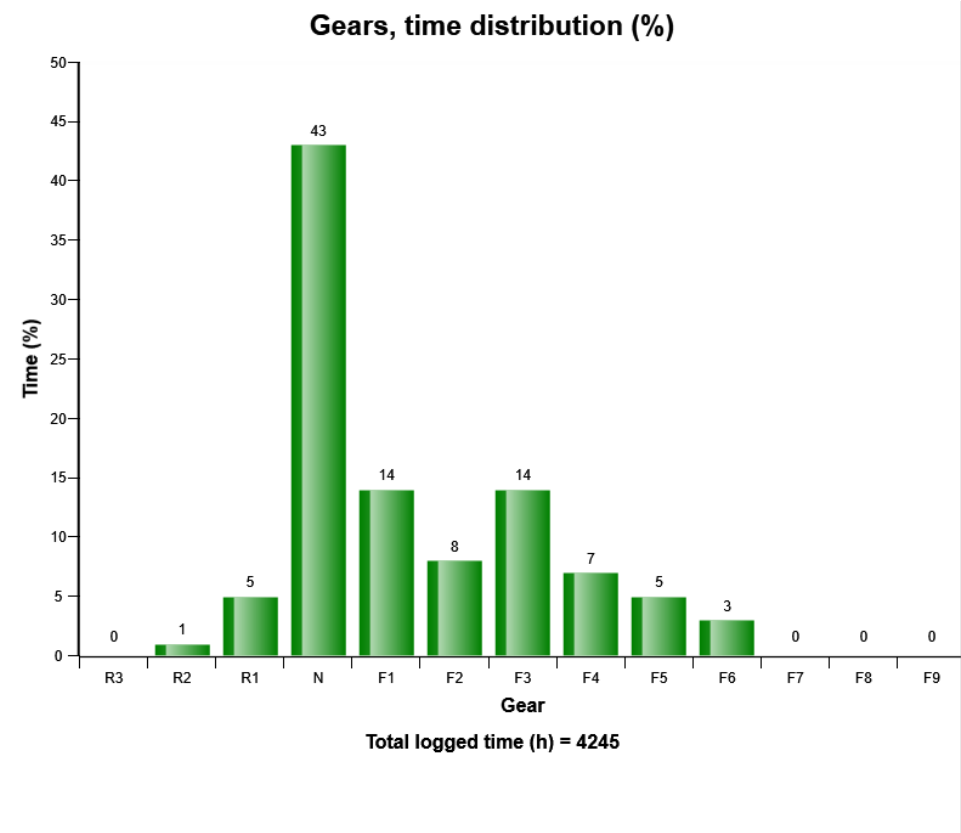


The diagram shows the time for each gear. Each bar represents a gear.

How the time is distributed between the gears depends on the operating conditions.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |



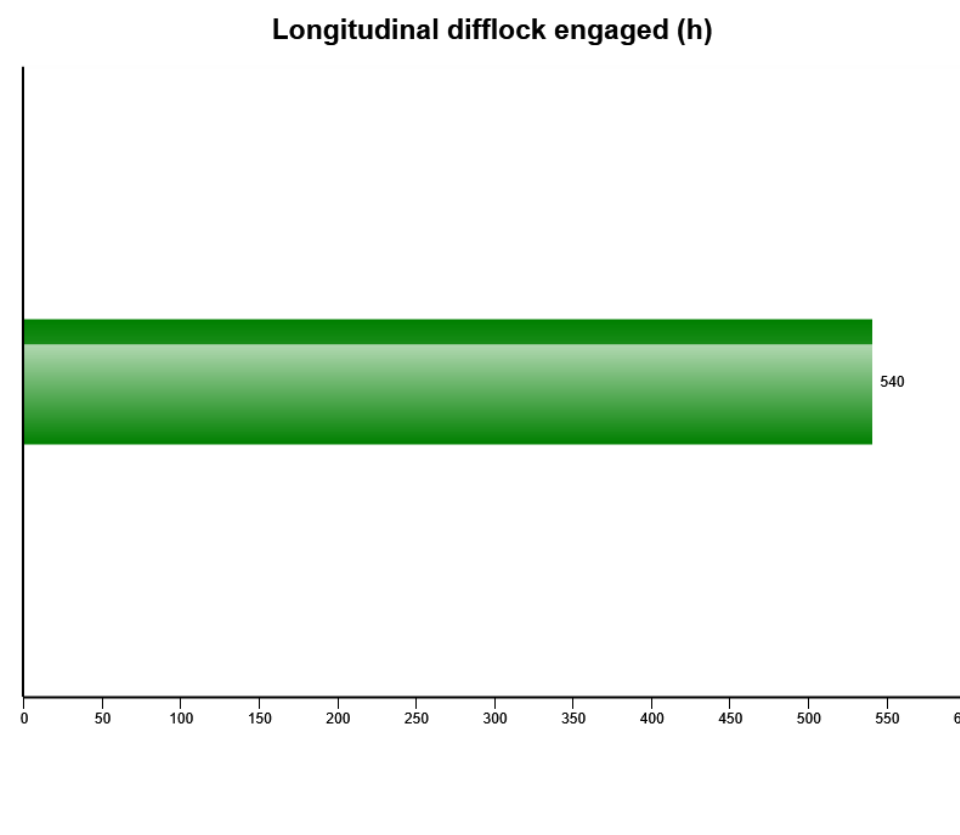
The diagram shows the time for each gear. Each bar represents a gear.

How the time is distributed between the gears depends on the operating conditions.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

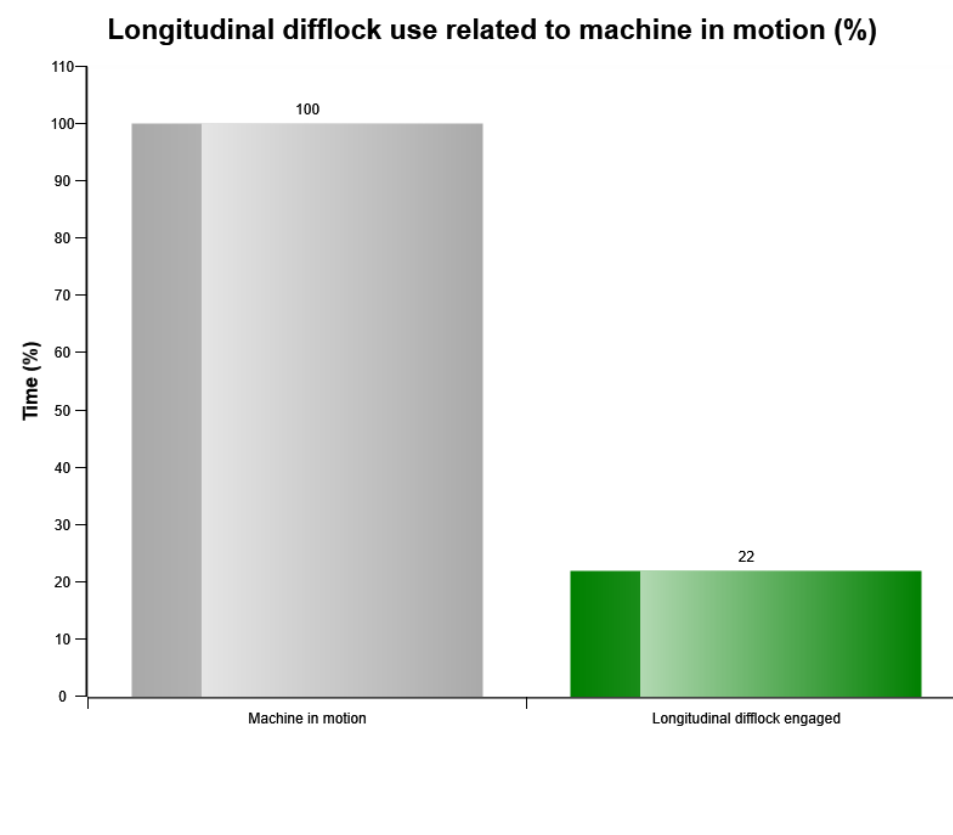
Longitudinal difflock engaged (h)



The diagram shows how long time in hours the longitudinal difflock has been engaged. The presentation only shows time when the machine is moving as this is when the wear on the difflock occurs. The difflock should always be disengage when not needed to avoid unnecessary wear.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |



The diagram shows the percentage of engaged longitudinal difflock in relation to machine in motion.

The longitudinal difflock should always be disengaged when not needed to reduce wear.

The normal use of the longitudinal difflock in relation to the time that the machine has been operated depends on the operating conditions. Generally, the more offroad applications the machine operates in, the higher the longitudinal difflock use shall be in relation to the time that the machine has been operated. Also operating in uphill conditions on slippery surface can require longitudinal difflock.

Also check " Longitudinal difflock engaged (h)"



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

**Transmission oil pressure low
Total number of occurrences = 10**

| Op hours | Year | Month | Day | Hour | Minute | Duration (sec) | Extreme (psi) |
|----------|------|-------|-----|------|--------|----------------|---------------|
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1747 | 2013 | 11 | 16 | 11 | 3 | 0 | 792 |
| 2233 | 2014 | 4 | 28 | 14 | 30 | 0 | 872 |
| 2273 | 2014 | 5 | 8 | 13 | 45 | 0 | 1095 |
| 2437 | 2014 | 7 | 1 | 7 | 10 | 0 | 888 |
| 2557 | 2014 | 7 | 26 | 8 | 34 | 0 | 935 |
| 2627 | 2014 | 8 | 7 | 8 | 15 | 0 | 988 |
| 2717 | 2014 | 8 | 22 | 13 | 7 | 0 | 1009 |
| 2735 | 2014 | 8 | 26 | 9 | 2 | 0 | 1275 |
| 2787 | 2014 | 9 | 5 | 15 | 21 | 10 | 1403 |
| 3564 | 2015 | 2 | 16 | 15 | 40 | 0 | 1313 |

Definition :

This type of table shows the latest occasions when a specific event has occurred. When a specified criteria is fulfilled a registration is made. Each table row corresponds to one occasion. Operating



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

hours is displayed in the first column, followed by year, month, day, hour and minute to show when an event has occurred.

The rows are not ordered chronological (The latest event may be in the middle).

Only one event per minute is registered.

Over the table the total number of events is displayed.

Duration :

The duration of each event is shown after the timestamp of the event.

The duration is counted as long as the criteria is fulfilled.

Extreme value :

The extreme value column displays the most extreme value during the event.

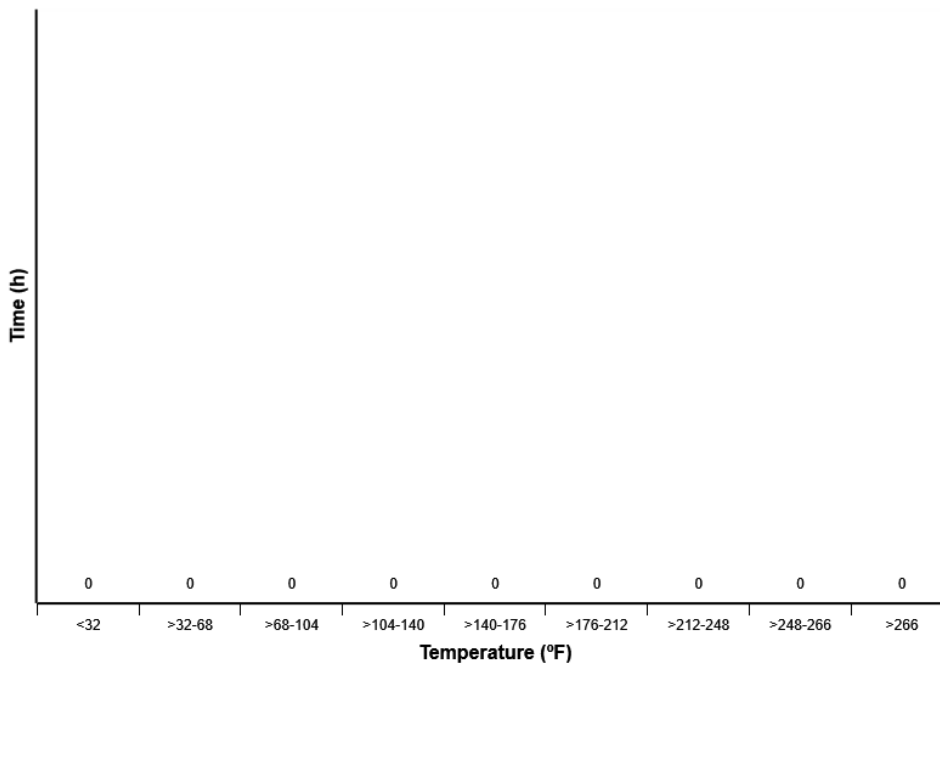
Criteria :

In order for an occurrence of low transmission oil pressure to be recorded in a data point and the count to increment by 1, the transmission oil pressure state must change from "normal" or "error" to "low." The event of low transmission oil pressure will end when the status changes from "low" back to "normal" or "error."



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

Service brake cooling oil, front axle temperature



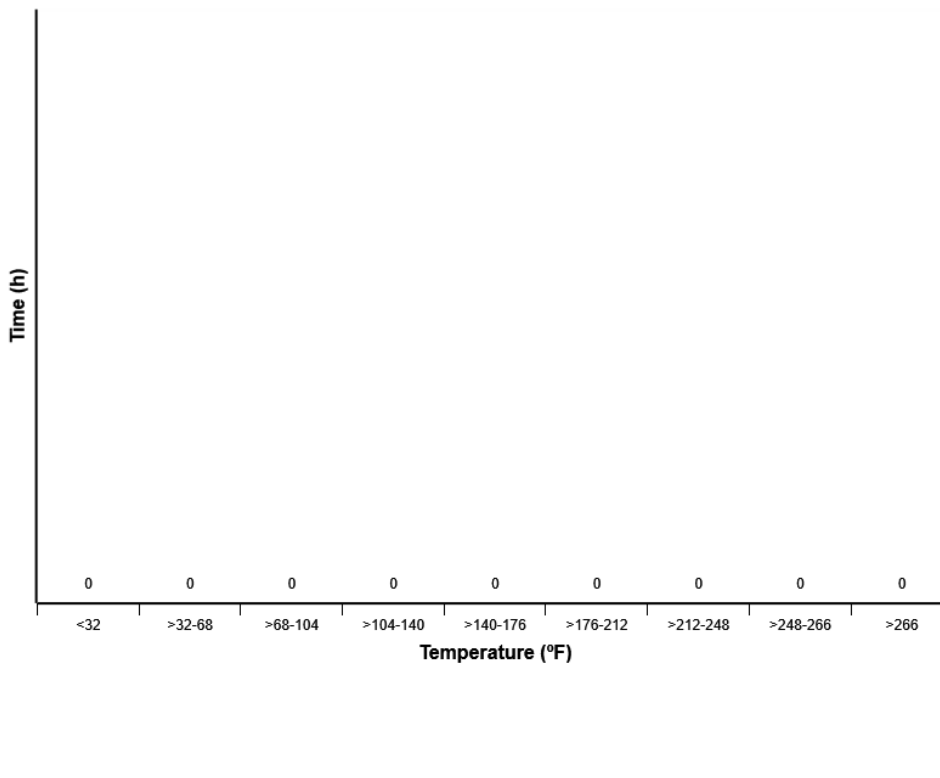
The diagram shows the front axle brake cooling oil temperature. The temperatures are divided into ranges, yellow bar (>248-266°F) and red bar (>266°F) shows abnormal temperatures. The temperature is registered in the line from the front axle to the oil cooler, that is, the warmest oil in the circuit.

The temperature shown by yellow and red bars degrade the properties of the cooling oil, and may be the result of incorrect and hard operation of the machine. Check the brake pressure distribution in the diagram "Service brake pressure, distribution (%)". If the brake cooling oil temperature is high despite normal distribution of service brake pressure, there is probably a malfunction in the brake cooling circuit



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

Service brake cooling oil, first bogie axle temperature



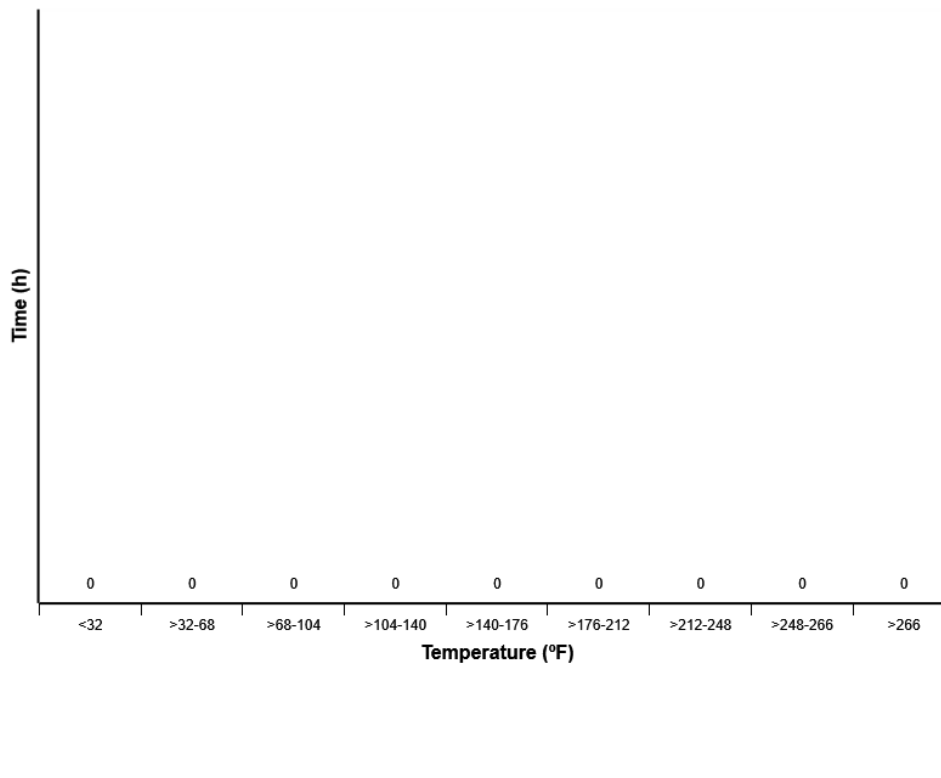
The diagram shows the first bogie axle brake cooling oil temperature. The temperatures are divided into ranges, yellow bar (>248-266°F) and red bar (>266°F) shows abnormal temperatures. The temperature is registered in the line from the first bogie axle to the oil cooler, that is, the warmest oil in the circuit.

The temperature shown by yellow and red bars degrade the properties of the cooling oil, and may be the result of incorrect and hard operation of the machine. Check the brake pressure distribution in the diagram "Service brake pressure, distribution (%)". If the brake cooling oil temperature is high despite normal distribution of service brake pressure, there is probably a malfunction in the brake cooling circuit.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

Service brake cooling oil, second bogie axle temperature

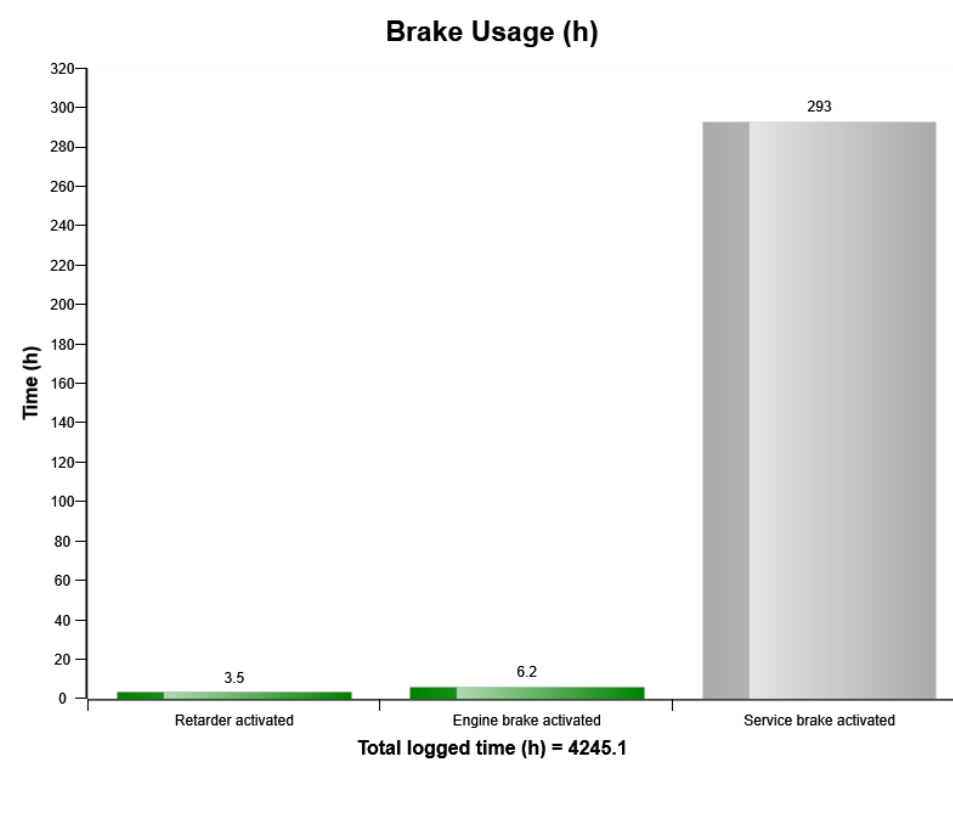


The diagram shows the front axle brake cooling oil temperature. The temperatures are divided into ranges, yellow bar (>248-266°F) and red bar (>266°F) shows abnormal temperatures. The temperature is registered in the line from the second bogie axle to the oil cooler, that is, the warmest oil in the circuit.

The temperature shown by yellow and red bars degrade the properties of the cooling oil, and may be the result of incorrect and hard operation of the machine. Check the brake pressure distribution in the diagram "Service brake pressure, distribution (%)". If the brake cooling oil temperature is high despite normal distribution of service brake pressure, there is probably a malfunction in the brake cooling circuit.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

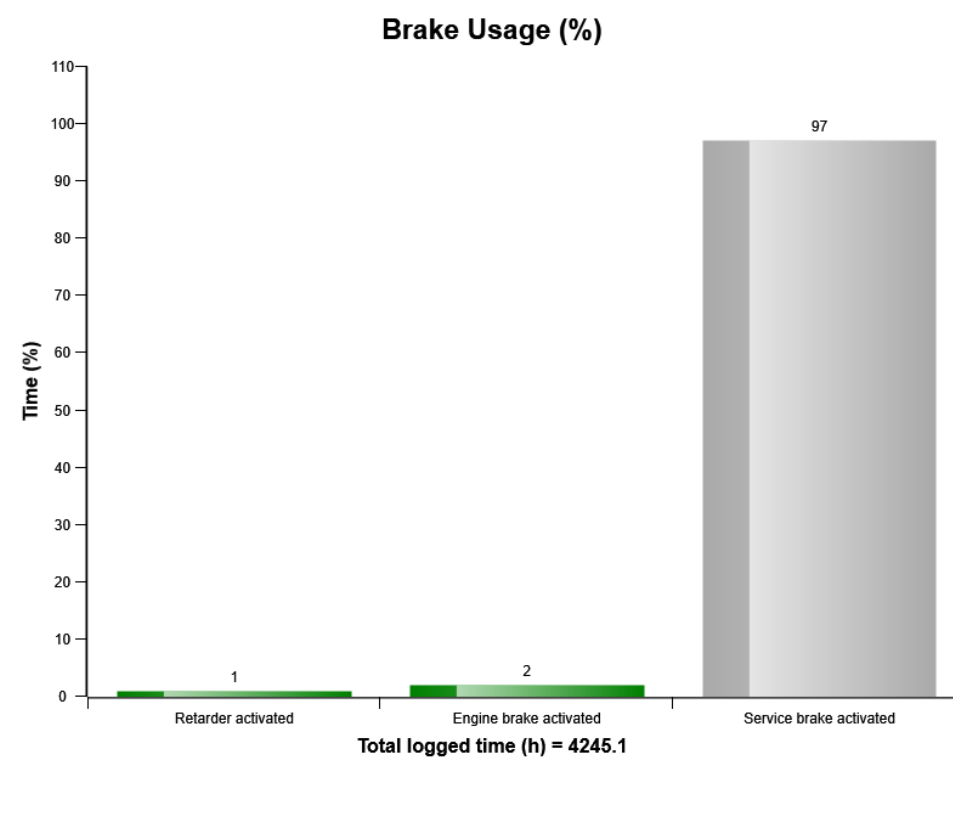


The diagram shows the total time for activated retarder, engine brake and the total time for activated service brake (exceeding 4 bar).

A high proportion of retarder and engine brake use indicates correct and efficient operation.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |



The diagram shows the total time for activated retarder, engine brake and the total time for activated service brake (exceeding 4 bar).

A high proportion of retarder and engine brake use indicates correct and efficient operation.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

Low Brake Servo Pressure
Total number of occurrences = 34

| | Op hours | Year | Month | Day | Hour | Minute | Duration (sec) | Extreme (psi) |
|----------|----------|------|-------|-----|------|--------|----------------|---------------|
| E | 4106 | 2015 | 6 | 15 | 10 | 44 | 10 | 1915 |
| F | 4106 | 2015 | 6 | 15 | 10 | 44 | 20 | 1915 |
| G | 4106 | 2015 | 6 | 15 | 12 | 45 | 0 | 1612 |
| A | 4107 | 2015 | 6 | 17 | 9 | 6 | 10 | 25 |
| B | 4107 | 2015 | 6 | 17 | 9 | 8 | 0 | 19 |
| C | 4107 | 2015 | 6 | 17 | 9 | 56 | 128 | 19 |
| D | 4107 | 2015 | 6 | 17 | 11 | 9 | 0 | 1643 |
| H | 4107 | 2015 | 6 | 16 | 12 | 18 | 0 | 25 |
| I | 4107 | 2015 | 6 | 16 | 12 | 18 | 0 | 19 |
| J | 4107 | 2015 | 6 | 17 | 9 | 6 | 0 | 25 |

Definition :

This type of table shows the latest occasions when a specific event has occurred. When a specified criteria is fulfilled a registration is made. Each table row corresponds to one occasion. Operating hours is displayed in the first column, followed by year, month, day, hour and minute to show when an event has occurred.

The rows are not ordered chronological (The latest event may be in the middle).

Only one event per minute is registered.

Over the table the total number of events is displayed

Duration :

The duration of each event is shown after the timestamp of the event.

The duration is counted as long as the criteria is fulfilled.

Extreme value :



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

The extreme value column displays the most extreme value during the event.

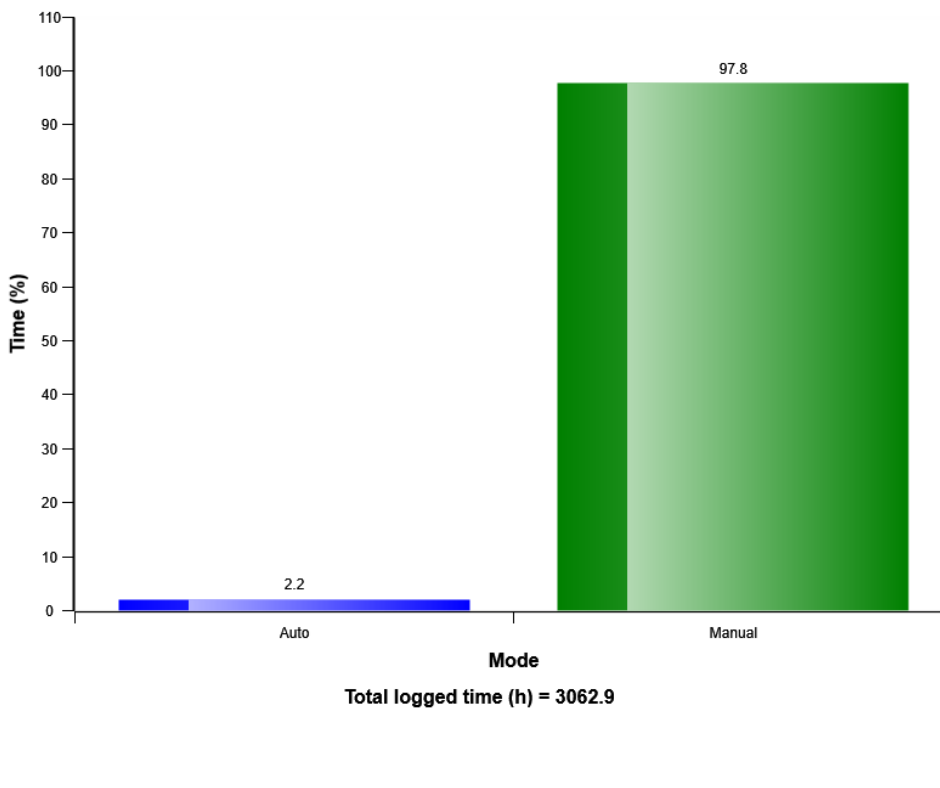
Criteria :

In order for an occurrence of low brake servo pressure to be recorded in a data point and the count to increment by 1, the low brake servo pressure state must be alarm. Gear not in Neutral and engine must be on.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

HVAC Auto - Manual mode selection distribution (%)



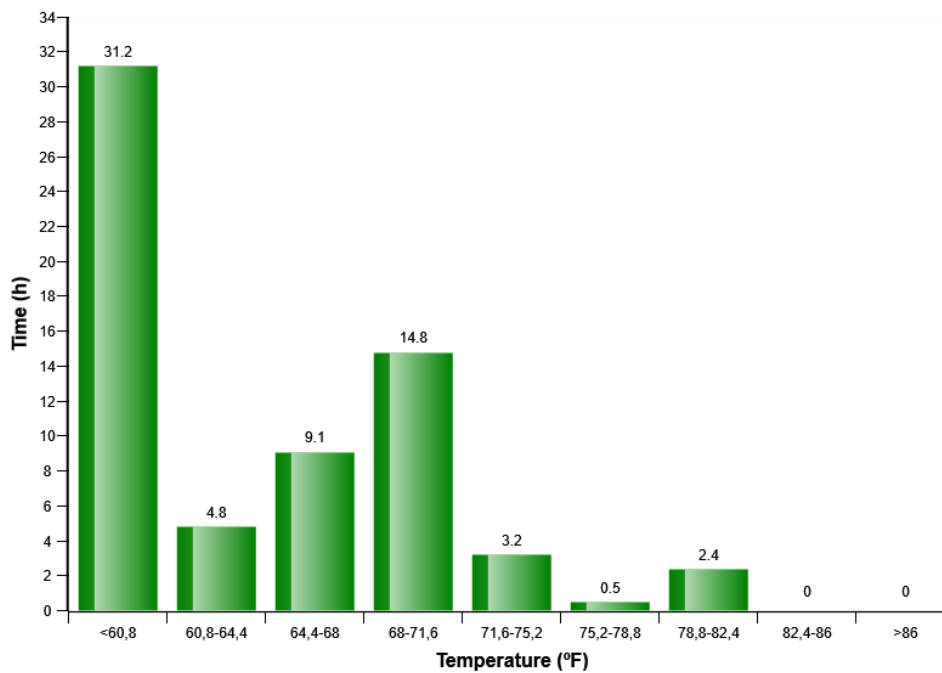
Definition:

The diagram describes auto-manual mode selection distribution of HVAC system in machine while it Works. The share of each mode compared to Total time of HVAC operation is displayed.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

HVAC air temperature setting in auto control mode distribution (h)



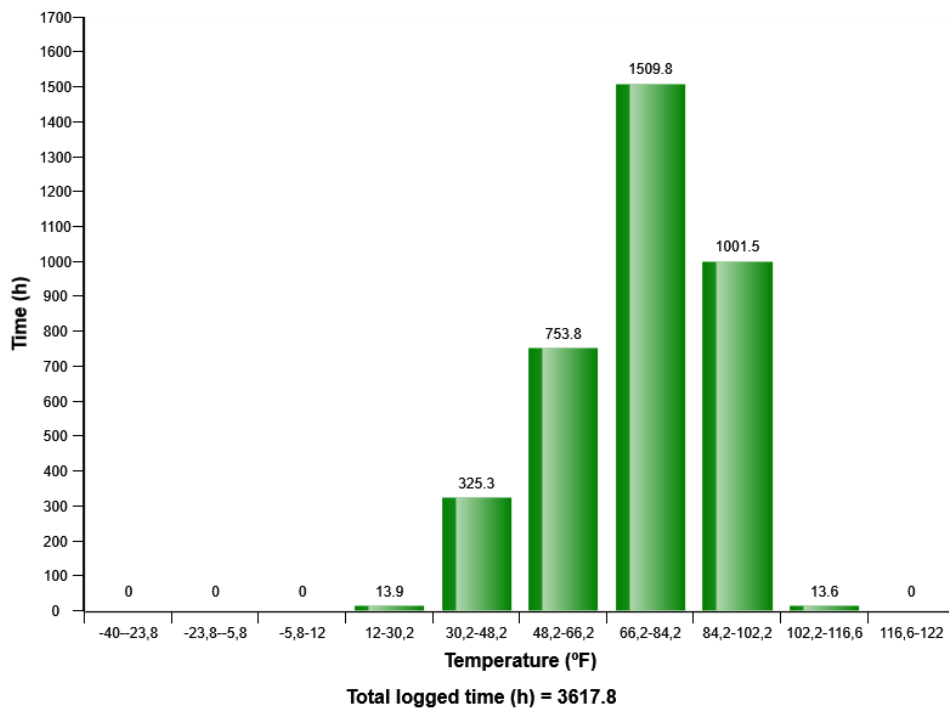
Definition:

The diagram describes air temperature setting distribution for HVAC auto control mode established by operator in Cabin

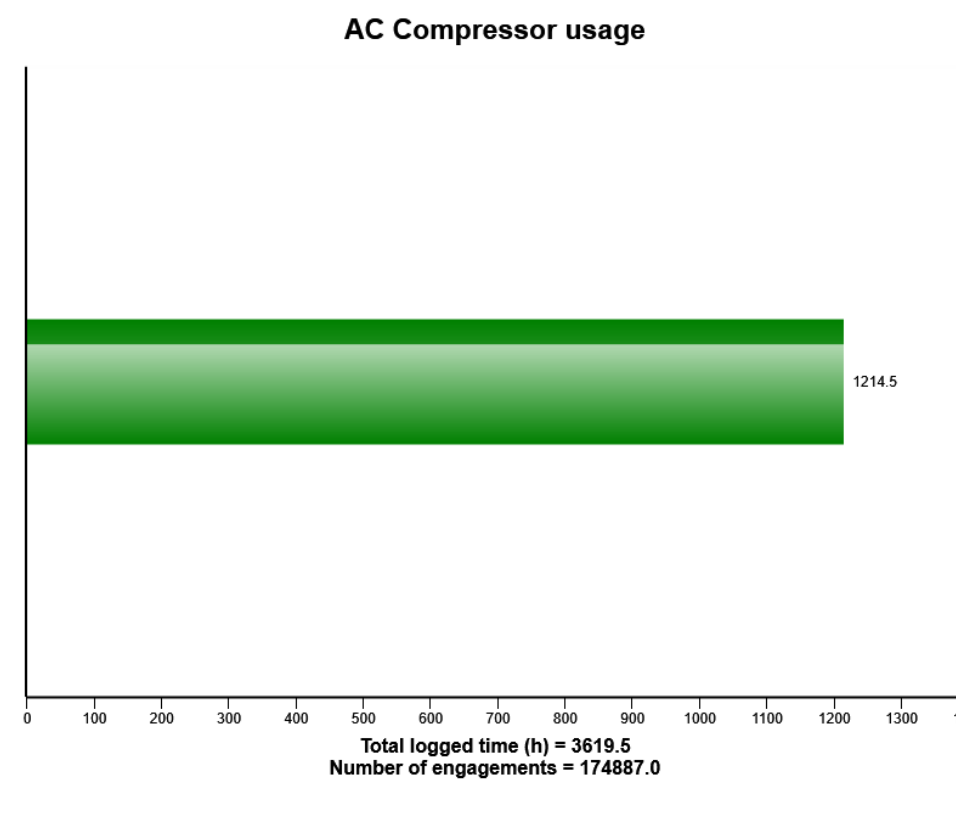


| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

Machine ambient temperature distribution (h)



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |



Definition:

The graph shows the total time of AC compressor engagement.

Explanation:

Green bar: Total time in hours, AC compressor has been engaged.

Under the graph the total engine running time (in hours) is displayed.

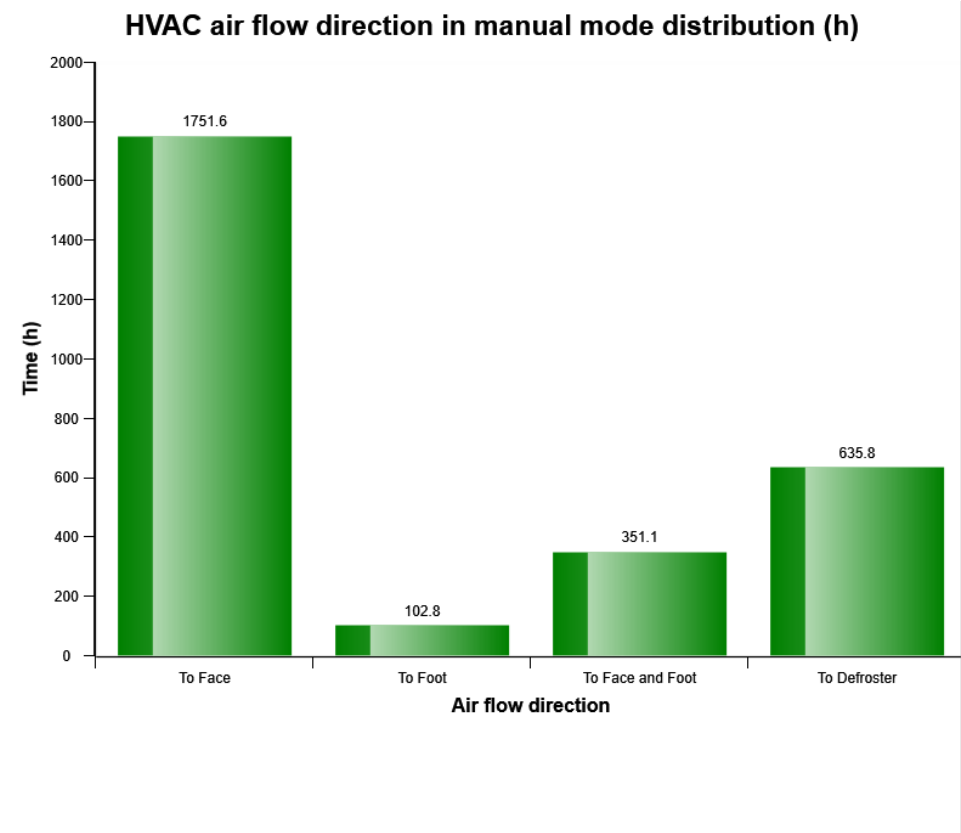
Total number of AC compressor activations is also displayed.



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |



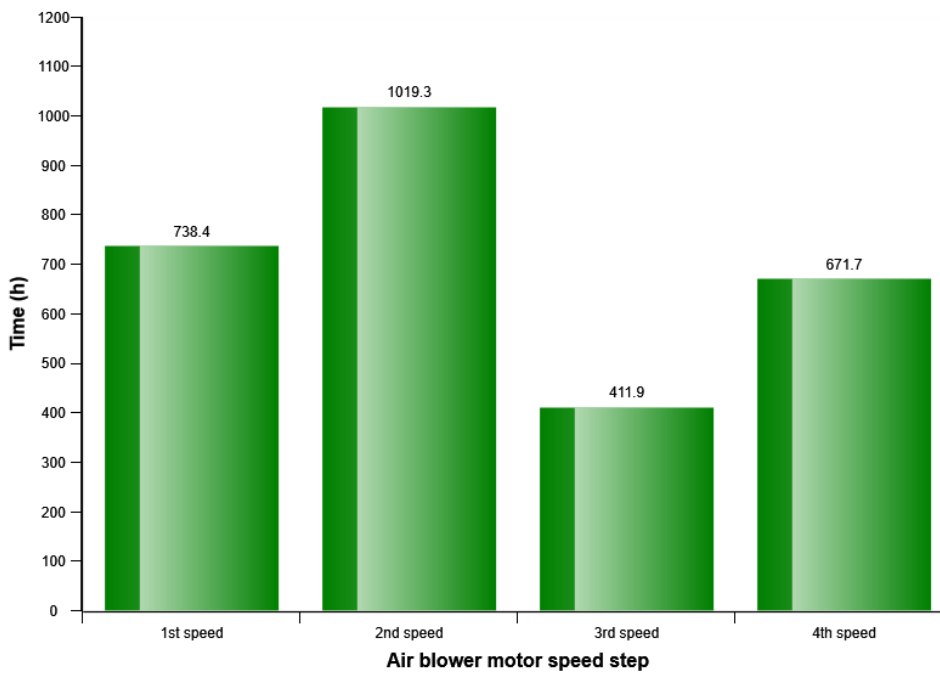
Definition:

The diagram describes air flow direction distribution for HVAC manual control mode established by operator in Cabin.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

HVAC air blower motor speed in manual mode distribution (h)



Definition:

The diagram describes air blower motor speed distribution for HVAC manual control mode established by operator in Cabin.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

AC High Pressure
Total number of occurrences = 9

| 0 | Year | Month | Day | Hours | Minute | Duration (sec) | Extreme (° F) |
|------|------|-------|-----|-------|--------|----------------|---------------|
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 4106 | 2015 | 6 | 15 | 12 | 47 | 202 | 75 |
| 4106 | 2015 | 6 | 15 | 10 | 44 | 42 | 90 |
| 4106 | 2015 | 6 | 15 | 10 | 29 | 517 | 86 |
| 4106 | 2015 | 6 | 15 | 10 | 25 | 122 | 84 |
| 4107 | 2015 | 6 | 17 | 9 | 57 | -65367 | 91 |
| 4107 | 2015 | 6 | 17 | 8 | 34 | 160 | 86 |
| 4107 | 2015 | 6 | 16 | 12 | 14 | 143 | 91 |
| 4107 | 2015 | 6 | 16 | 10 | 59 | 148 | 91 |
| 4107 | 2015 | 6 | 16 | 10 | 18 | 166 | 88 |

Definition :

This type of table shows the latest occasions when a specific event has occurred. When a specified criteria is fulfilled a registration is made. Each table row corresponds to one occasion. Operating



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

hours is displayed in the first column, followed by year, month , day , hour and minute to show when an event has occurred.

The rows are not ordered chronological (The latest event may be in the middle).

Only one event per minute is registered.

Over the table the total number of events is displayed

Duration :

The duration of each event is shown after the timestamp of the event.

The duration is counted as long as the criteria is fulfilled.

Extreme value :

The extreme value column displays the most extreme value during the event.

Criteria :

Logging is performed when, High AC Pressure signal is active. Ambient temp is viewed.



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

hours is displayed in the first column, followed by year, month , day , hour and minute to show when an event has occurred.

The rows are not ordered chronological (The latest event may be in the middle).

Only one event per minute is registered.

Over the table the total number of events is displayed

Duration :

The duration of each event is shown after the timestamp of the event.

The duration is counted as long as the criteria is fulfilled.

Extreme value :

The extreme value column displays the most extreme value during the event.

Criteria :

Logging is performed when, Boiling protection signal is active. Ambient temp is viewed.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |

AC System Cut Out Pressure
Total number of occurrences = 8

| Op hours | Year | Month | Day | Hour | Minute | Duration (sec) | Extreme (° F) |
|----------|------|-------|-----|------|--------|----------------|---------------|
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 0 | 2000 | 0 | 0 | 0 | 0 | 0 | 32 |
| 4106 | 2015 | 6 | 15 | 12 | 49 | 51 | 75 |
| 4106 | 2015 | 6 | 15 | 10 | 44 | 23 | 90 |
| 4106 | 2015 | 6 | 15 | 10 | 25 | 76 | 84 |
| 4107 | 2015 | 6 | 17 | 9 | 57 | 133 | 91 |
| 4107 | 2015 | 6 | 17 | 8 | 34 | 123 | 86 |
| 4107 | 2015 | 6 | 16 | 12 | 14 | 102 | 91 |
| 4107 | 2015 | 6 | 16 | 10 | 59 | 88 | 91 |
| 4107 | 2015 | 6 | 16 | 10 | 19 | 134 | 88 |

Definition :

This type of table shows the latest occasions when a specific event has occurred. When a specified criteria is fulfilled a registration is made. Each table row corresponds to one occasion. Operating



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

hours is displayed in the first column, followed by year, month , day , hour and minute to show when an event has occurred.

The rows are not ordered chronological (The latest event may be in the middle).

Only one event per minute is registered.

Over the table the total number of events is displayed

Duration :

The duration of each event is shown after the timestamp of the event.

The duration is counted as long as the criteria is fulfilled.

Extreme value :

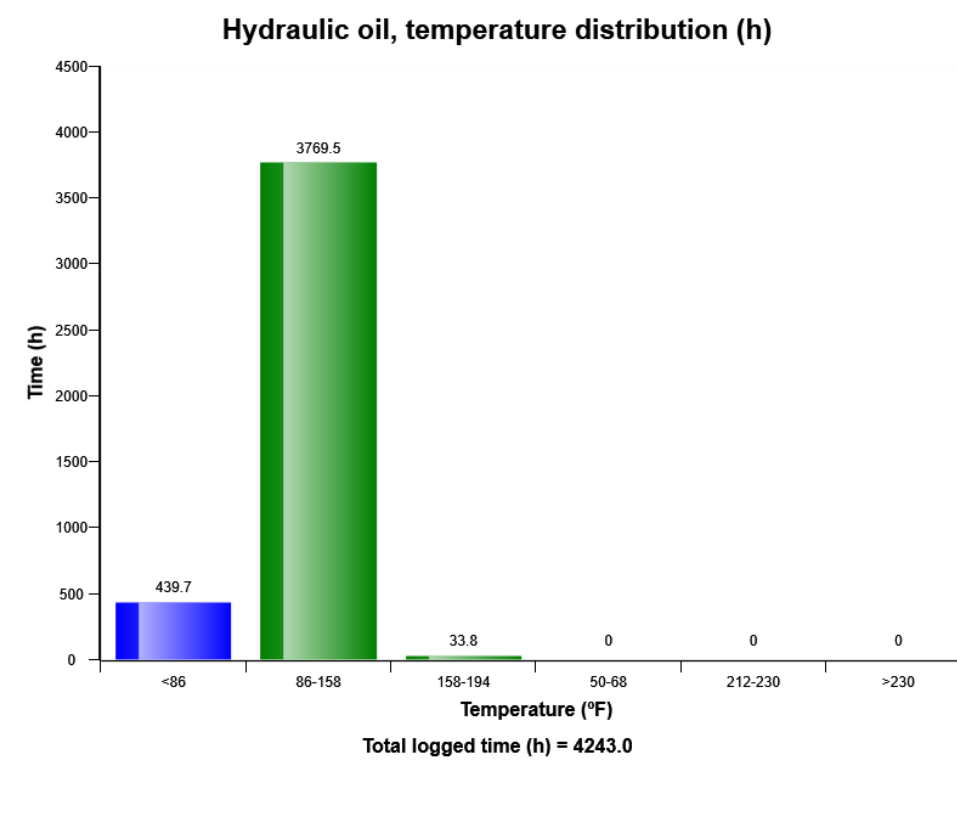
The extreme value column displays the most extreme value during the event.

Criteria :

Logging is performed when, AC cut out pressure signal is active. Ambient temp is viewed.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |



Definition:

The graph shows the time distribution of the temperature, while engine running.

Explanation:

Y-axis: Time

X-axis: Temperature distribution in classes.

Blue bar = Warm-up phase.

During the engine warm-up phase, this temperature region is passed.

It is normal to have registrations in this region.

Green bar = Normal working temperature. The Major part of the registrations shall be in this



| Machine model | SerialNo | Operating Hours | Reading Date |
|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

region.

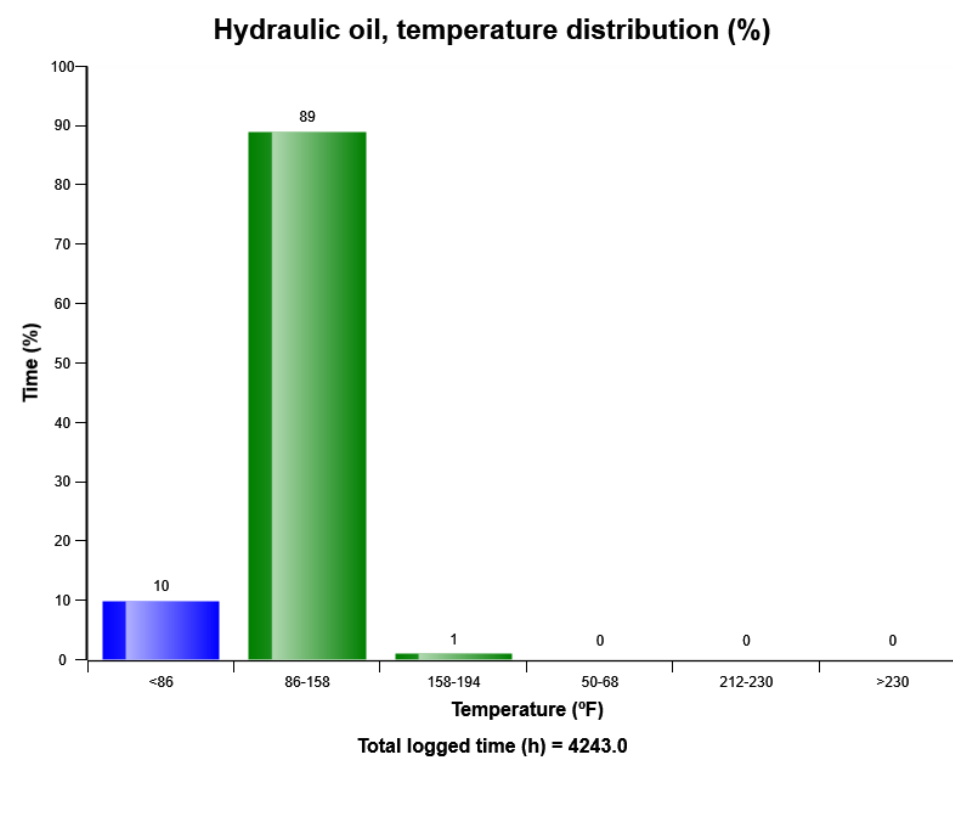
Yellow bar = High working temperature. It is normal to have some registrations in this region.

Red bar = Alarm.

Registrations in this region is not normal, running in this region may cause severe damage.



| | | | |
|---------------|----------|-----------------|--------------|
| Machine model | SerialNo | Operating Hours | Reading Date |
| A25F | 80034 | 4244.6 | 11/23/2015 |



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|---------------|----------|-----------------|--------------|
| A25F | 80034 | 4244.6 | 11/23/2015 |

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