VOLVO CONSTRUCTION EQUIPMENT

MATRIS REPORT

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

Company name	Dealer	Report Issuer
volvo	arnold machinery	
Contact name	**Technician**	**Primary Application**
mike seifert	CE Tech	Other industrial handling
Site	**Workorder**	**Ground Condition**

MATRIS Reading, Summary / Recommendation

Machine model	SerialNo	Operating Hours	Reading Date
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Main equipment	Type	Equipment
	Track chain	
	X3 piping	
	Main Attachment	
	Attachment Interface	
	Hydraulic Fluid	
	X1 Piping	
	Hose Rupture Valve on Boom	
	Hose Rupture Valve on Arm	
	X1 return filter	

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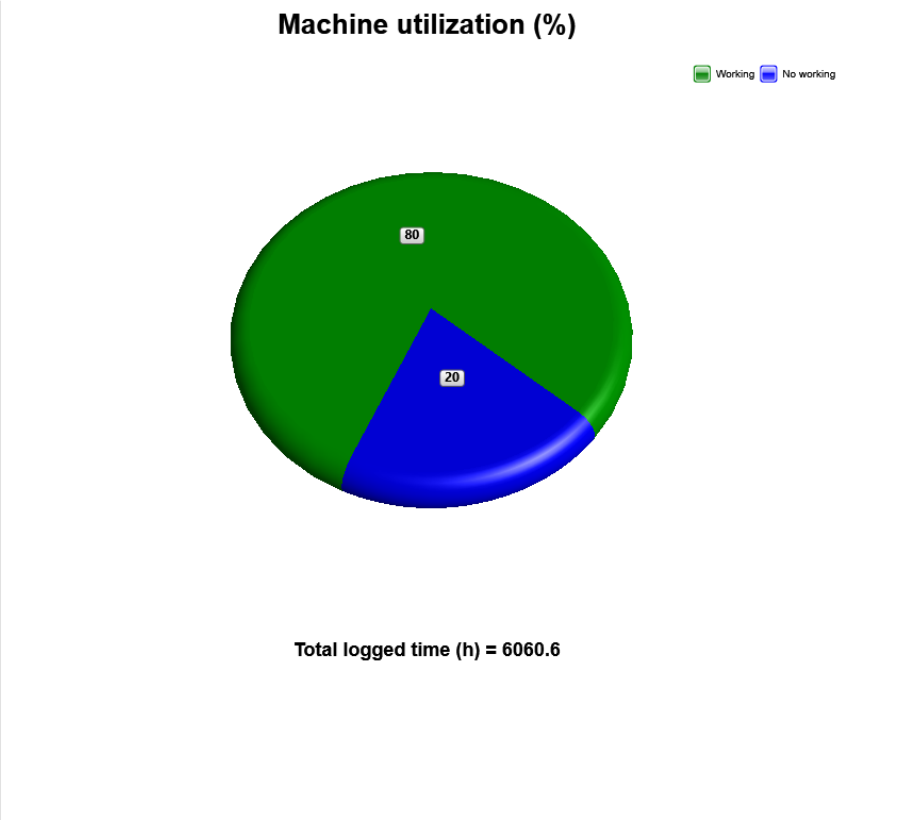

Definition:

The graph shows the distribution of the operating time for the machine. The operating time is defined as the time with engine on

Blue sector = Engine is running, but attachments and tracks are not moved

or operated .

Green sector = Machine in work with the move of attachments and tracks

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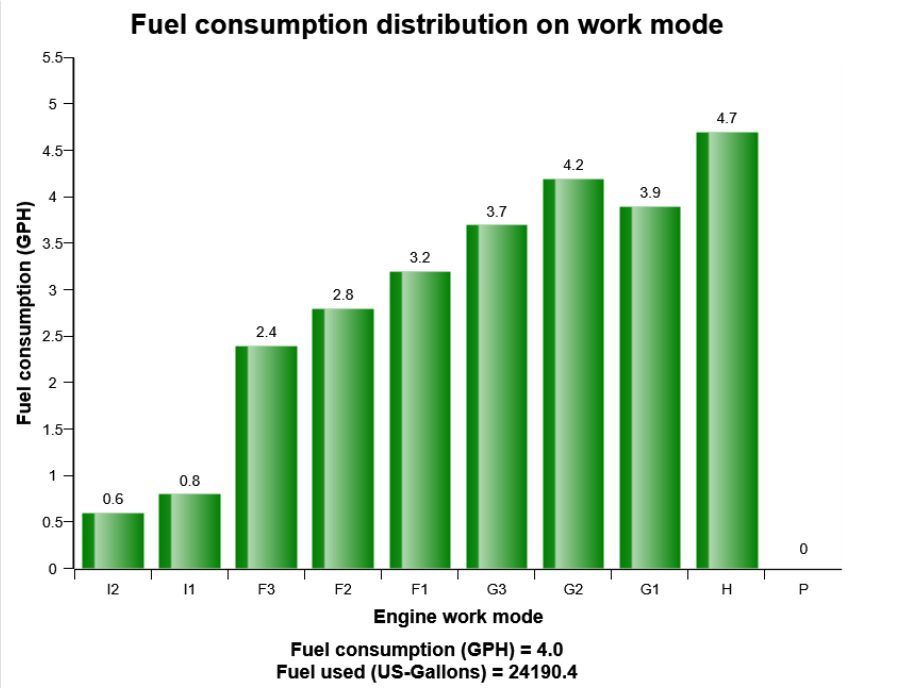

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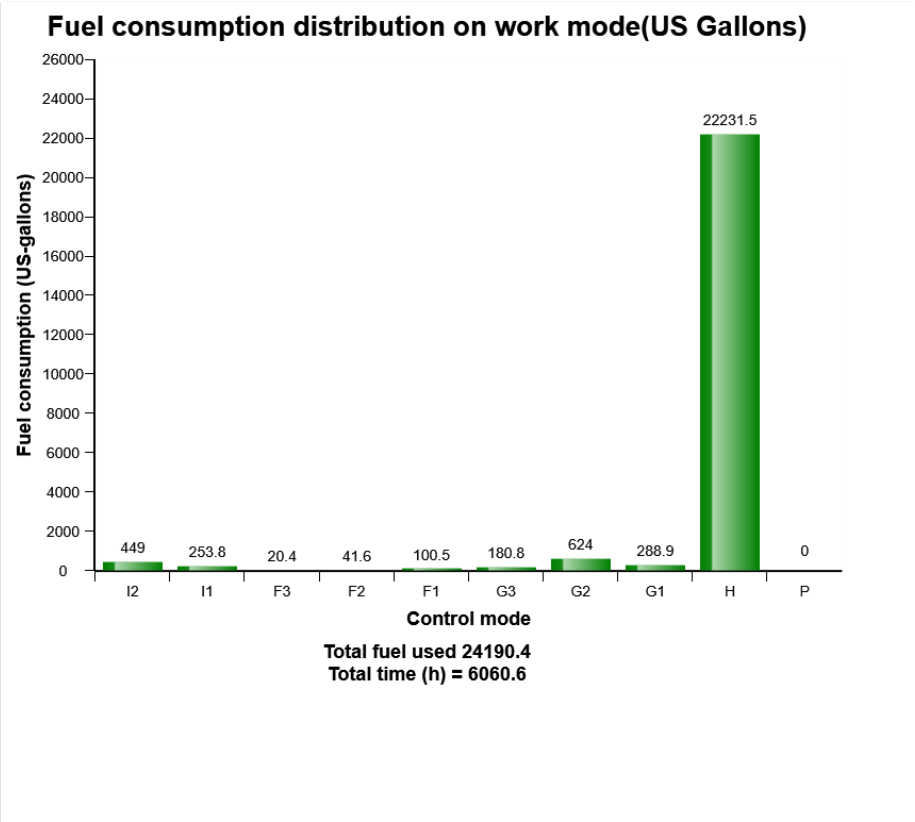

Definition:

The diagram describes the amount of fuel consumed per engine speed mode distribution.

Total amount of fuel consumed (m3) in above means that the sum of the fuel while it consumed for engine ON. The values above distribution were calculated from theoretical calculation with logged data in V-ECU so it can be some different from actual performance in field.

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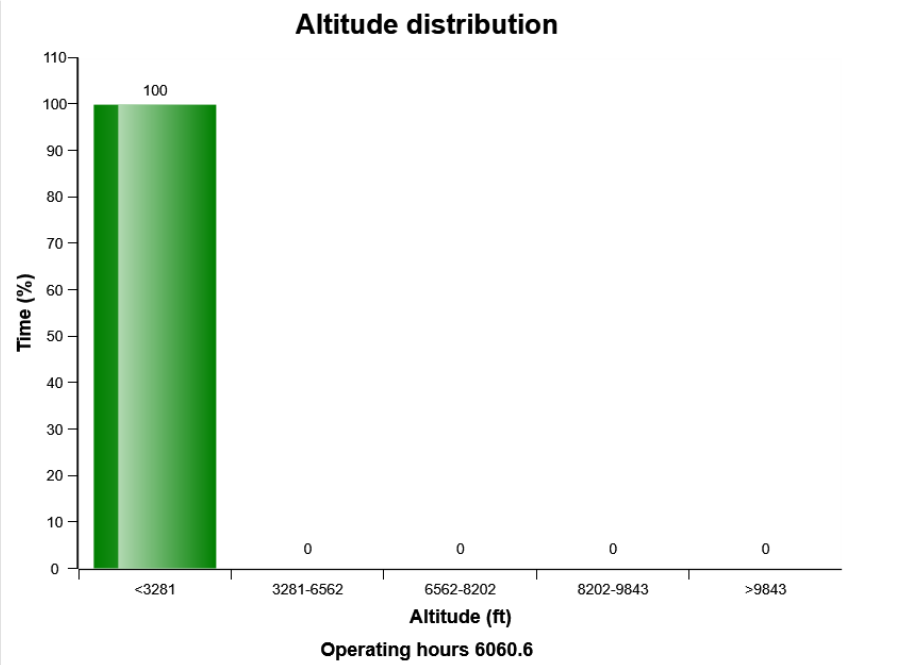

An error has occurred while processing HtmlTextBox 'htmlTextBox1':
'WordSection1' is an unexpected token. The expected token is "" or "'. Line 1, position 18.

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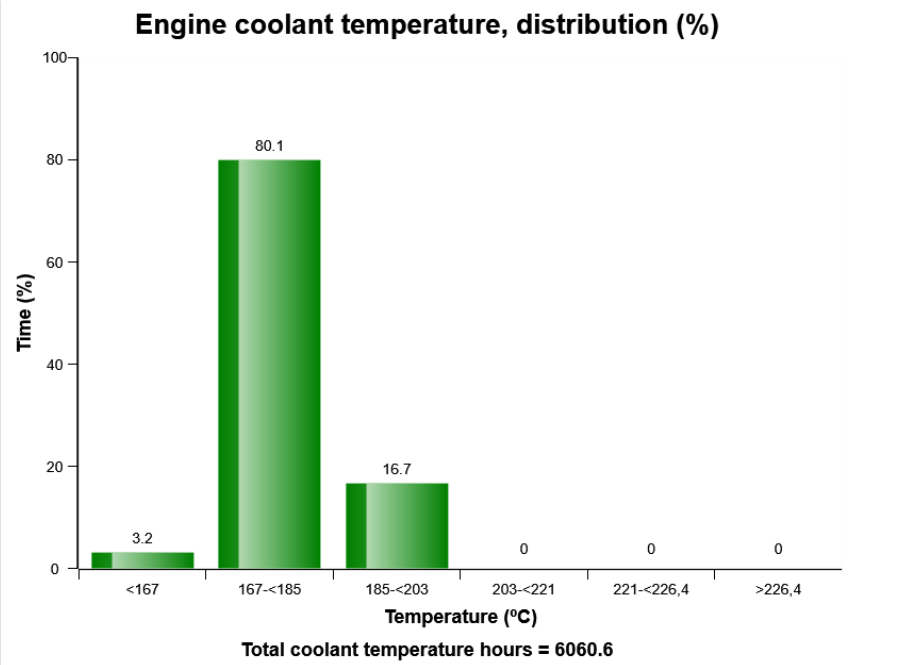

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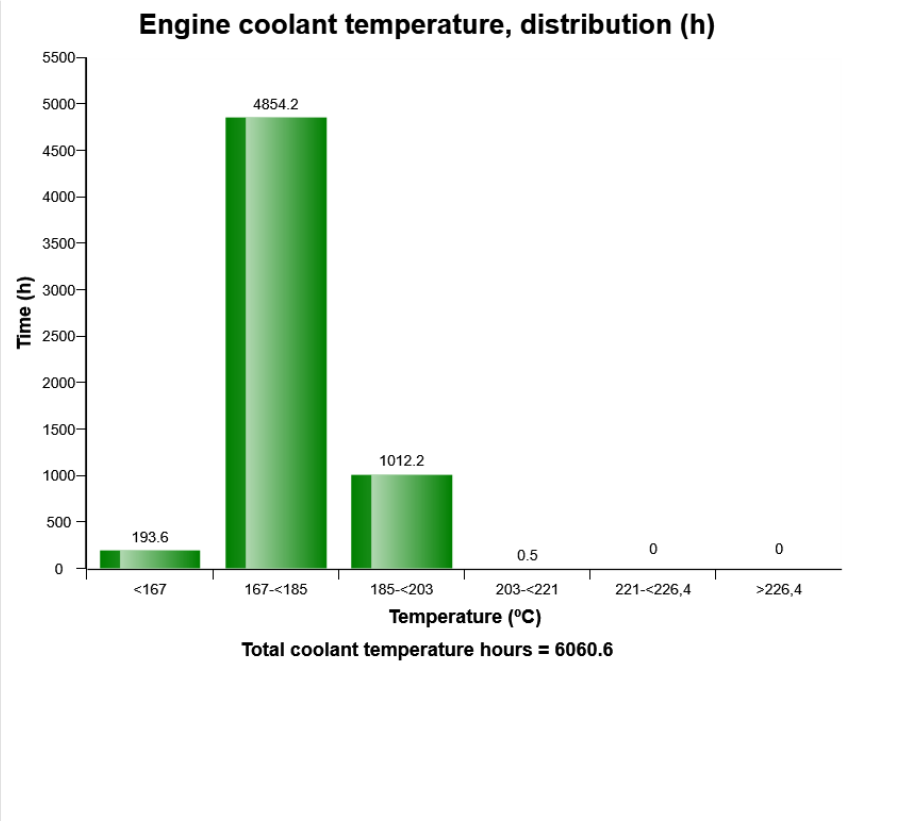

Definition:

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.

Machine model	SerialNo	Operating Hours	Reading Date
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Green bar = Normal working temperature. The Major part of the registrations shall be in this 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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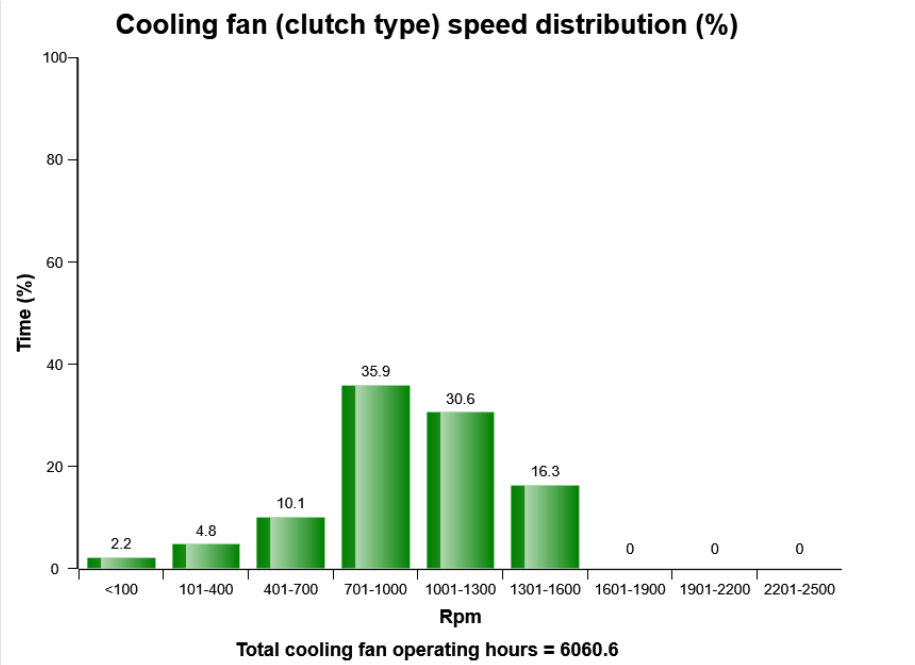

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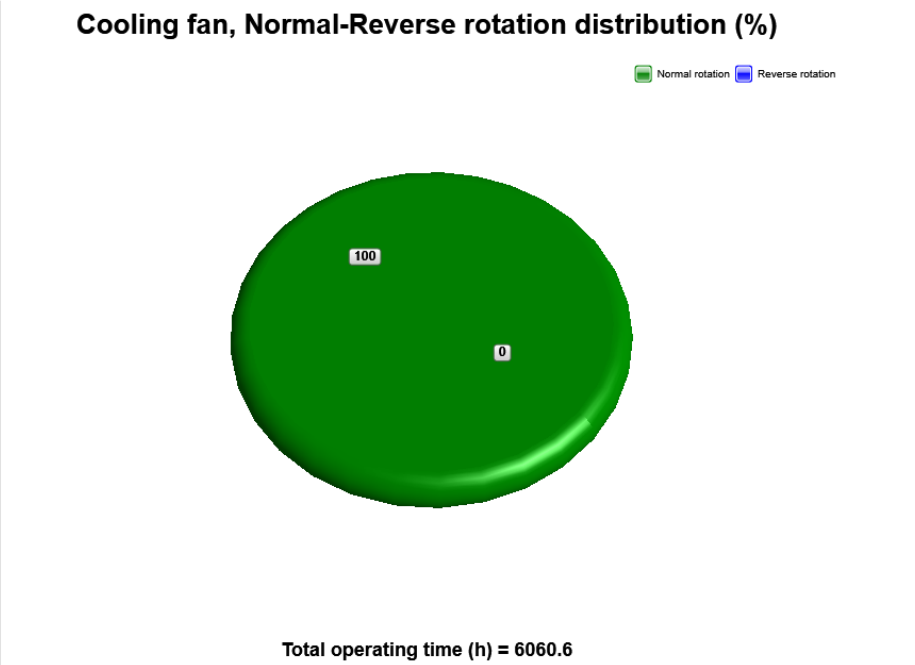

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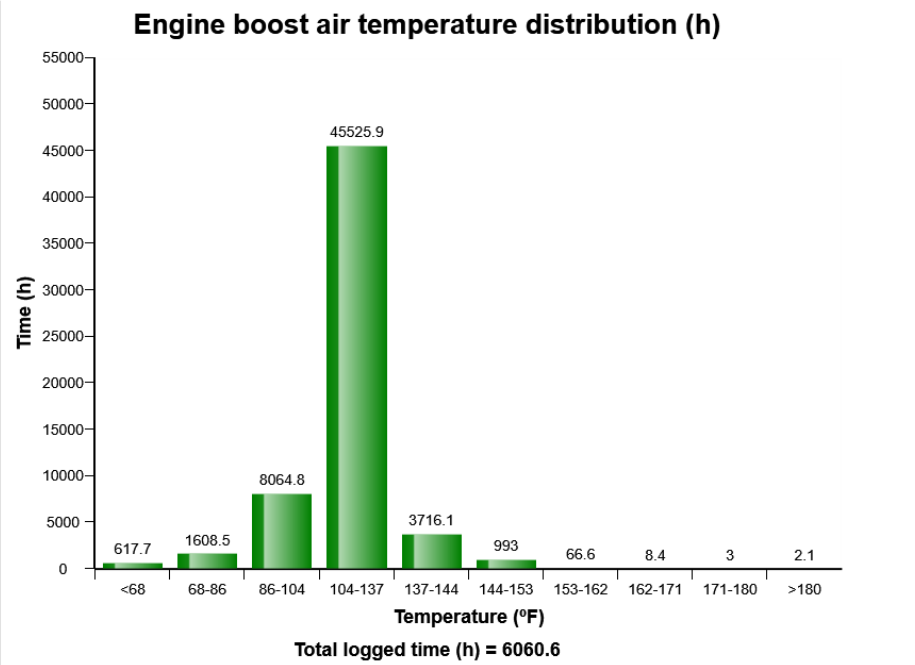

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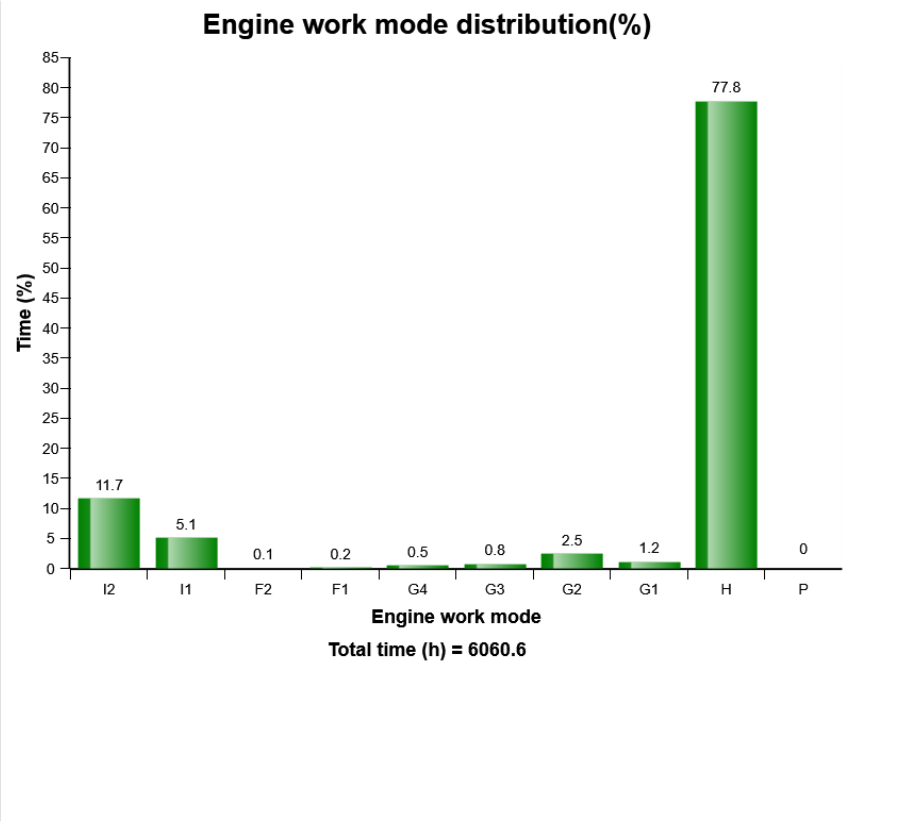
EC300E	310133	6059.4	12/11/2019



Definition:

This diagram shows the distribution of the engine work mode in time percent.

Distribution of each work mode is shown on top of the column in percentage.

Explanation:

Y-axis: The percentage of the operating hours on each work mode.

X-axis: The engine work mode (10 step in total)

Distribution of each work mode is shown on top of the column in percentage.

Machine model	SerialNo	Operating Hours	Reading Date
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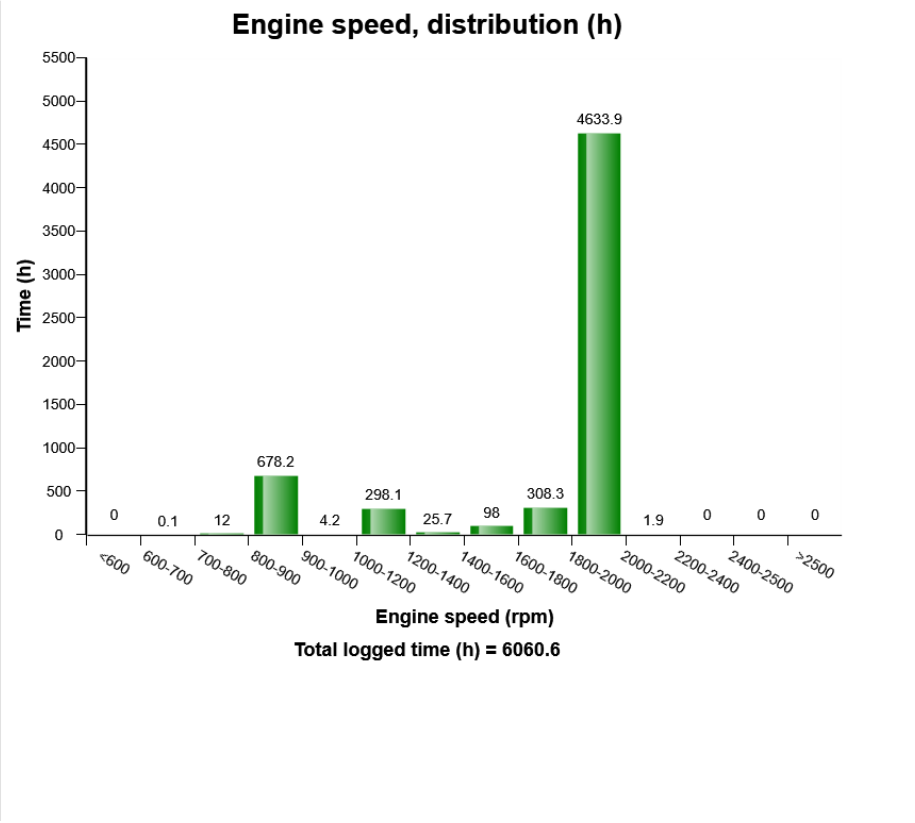
The sum of time distribution in percentage is 100

Total time (h) is listed below the diagram

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



Definition:

The graph describes the engine speed distribution, in hours.

The sum of all bars = total time of engine running.

Explanation:

Y-axis: Engine running time in hours.

X-axis: Engine speed in rpm.

Green bars = Normal engine speed range.

Red bars =The engine speed has exceeded the maximum design speed.

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

Exceeding the maximum design speed may cause severe damage to the engine.

Machine model	SerialNo	Operating Hours	Reading Date
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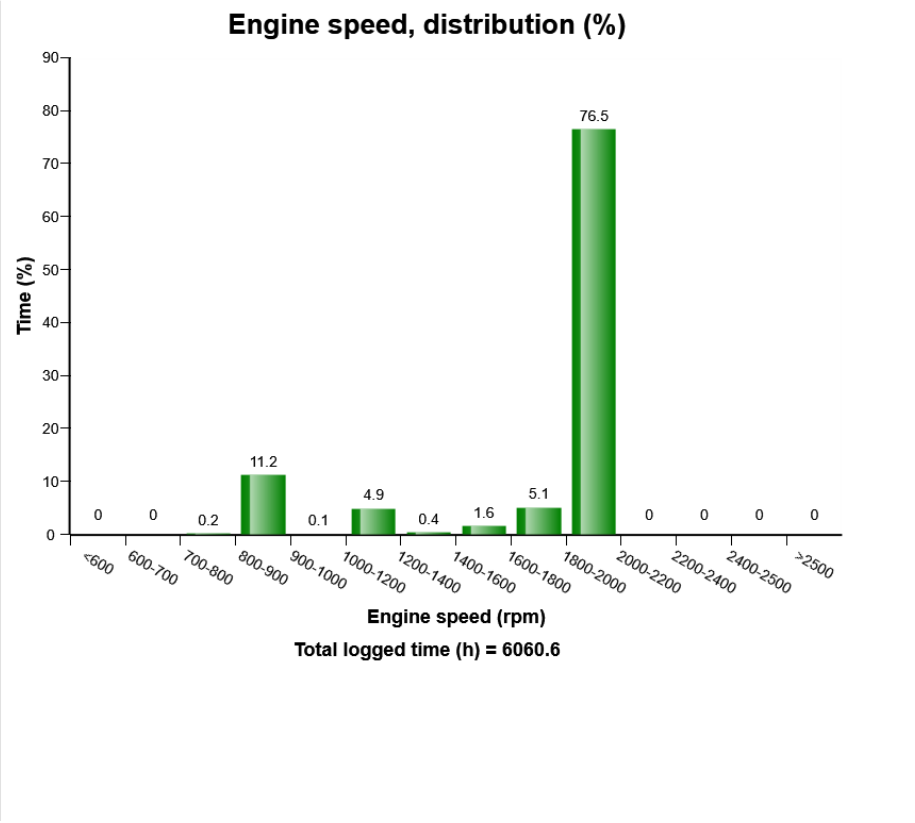


Definition:

The graph describes the engine speed distribution in percent of time.

The sum of all bars=100% of engine running time.

Explanation:

Y-axis: Engine running time in percent.

X-axis: Engine speed in rpm.

Green bars = Normal engine speed range

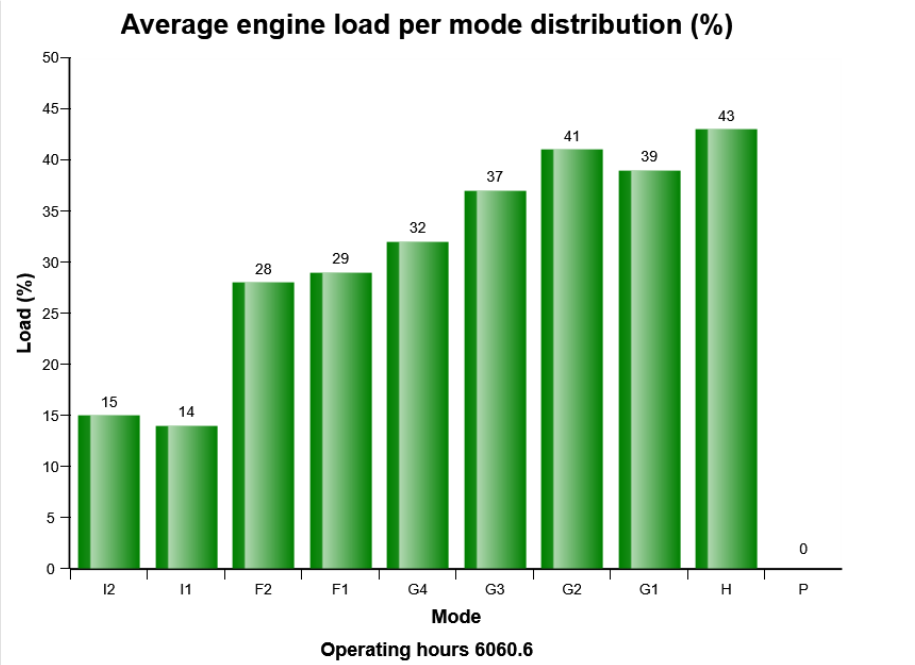
Blue bar = Idling interval.

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

Red bars =The engine speed has exceeded the maximum design speed.

Exceeding the maximum design speed may cause severe damage to the engine

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



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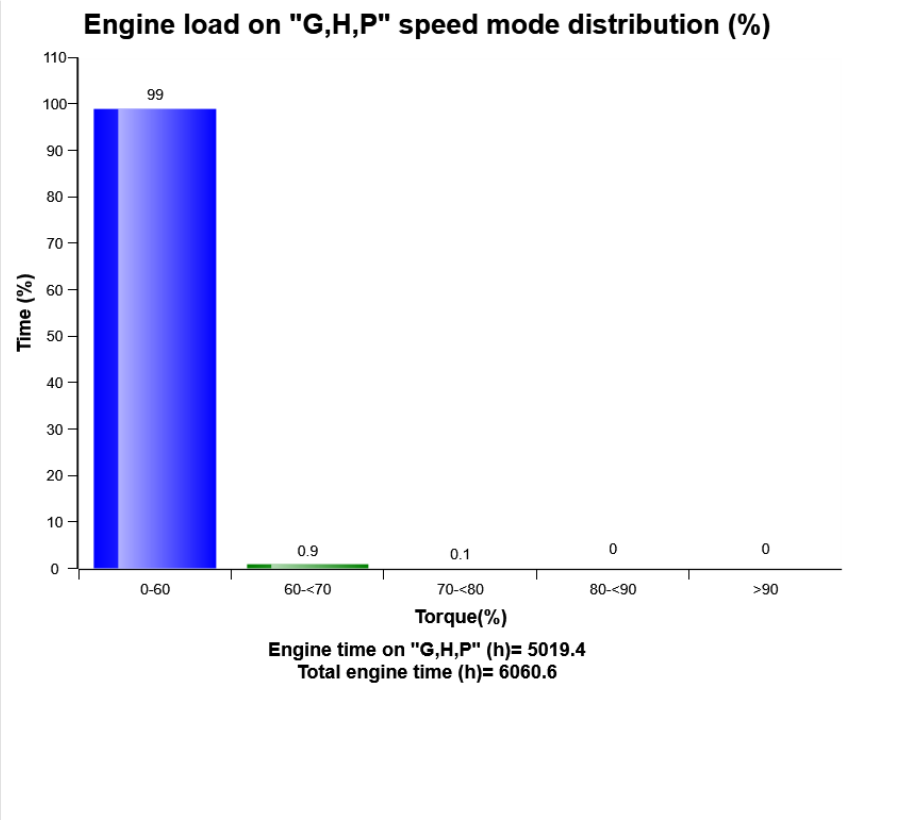


This graph shows the distribution of the engine load.

Blue bar: Low load

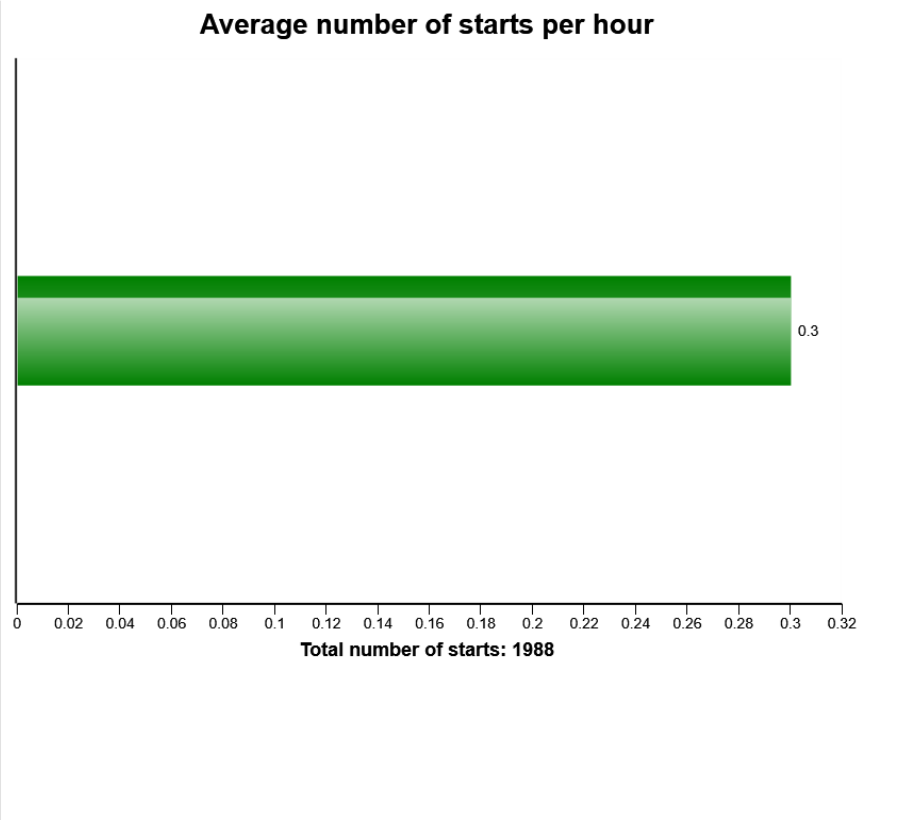
Green bar: Normal load

Yellow ba r: Excessive load

Load 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
EC300E	310133	6059.4	12/11/2019



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

Machine model	SerialNo	Operating Hours	Reading Date
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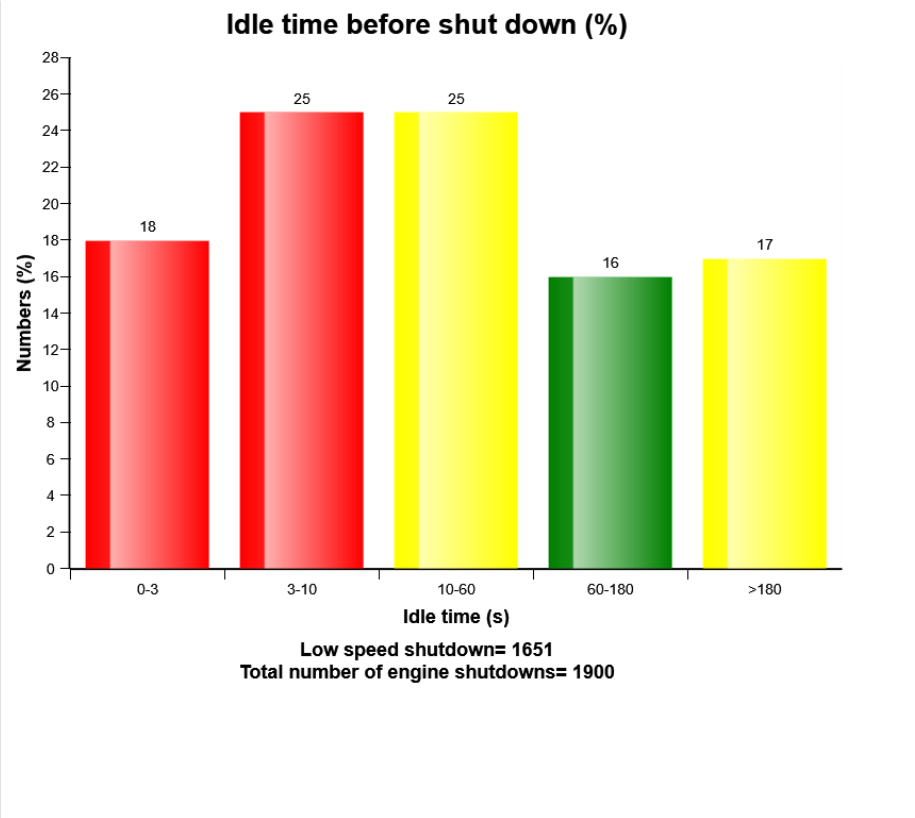


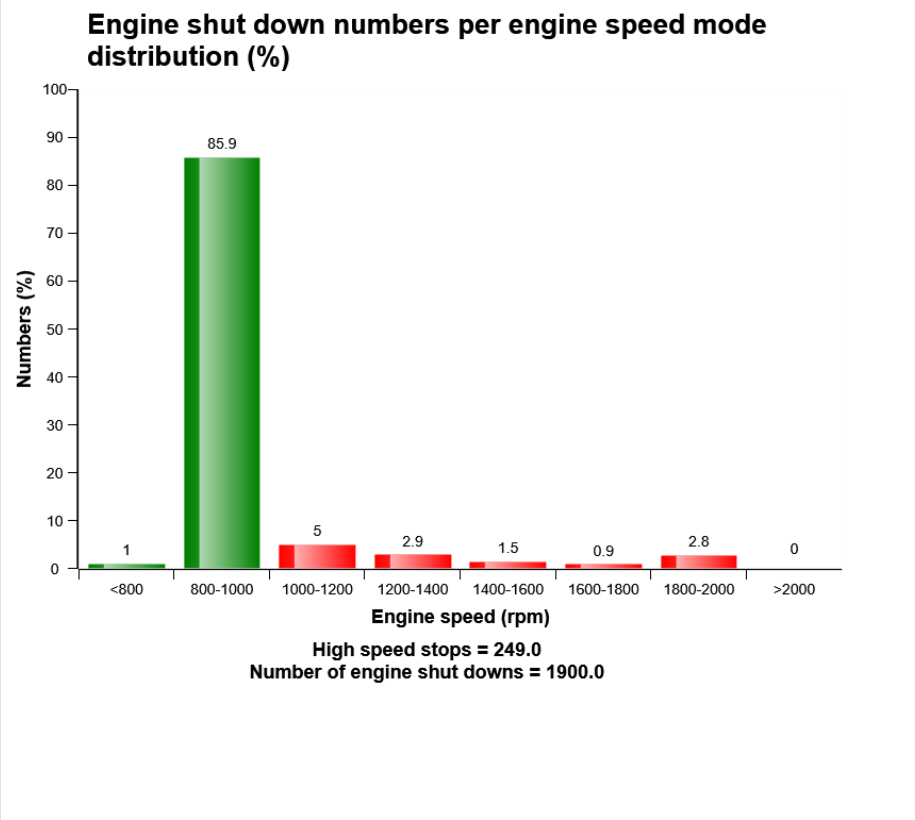
Definition:

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
EC300E	310133	6059.4	12/11/2019



Definition:

The diagram shows the number of stops at high idle (I1 ~ P mode).

Green bars = Normal engine stop

Red bars = Abnormal engine stop

Engine stops at a high idle can cause server damage to the turbo charger due to shortage of the oil lubrication. The engine should be stopped at low idle(I2 mode).

Explanation:

Y-axle: Number of engine stop at each work mode.

X-axle: Work mode.

Machine model	SerialNo	Operating Hours	Reading Date
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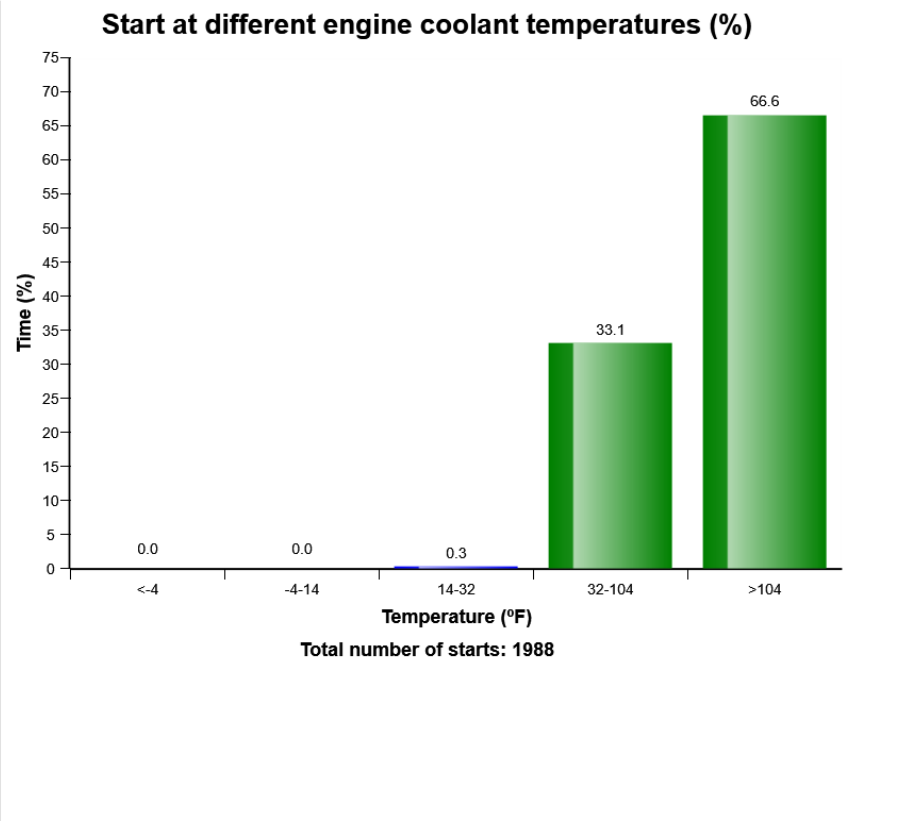
Distribution of each work mode is shown on top of its column in number.

Total number of shut down is listed below the diagram.

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



Definition:

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

Explanation:

Y-axis: Number of engine starts

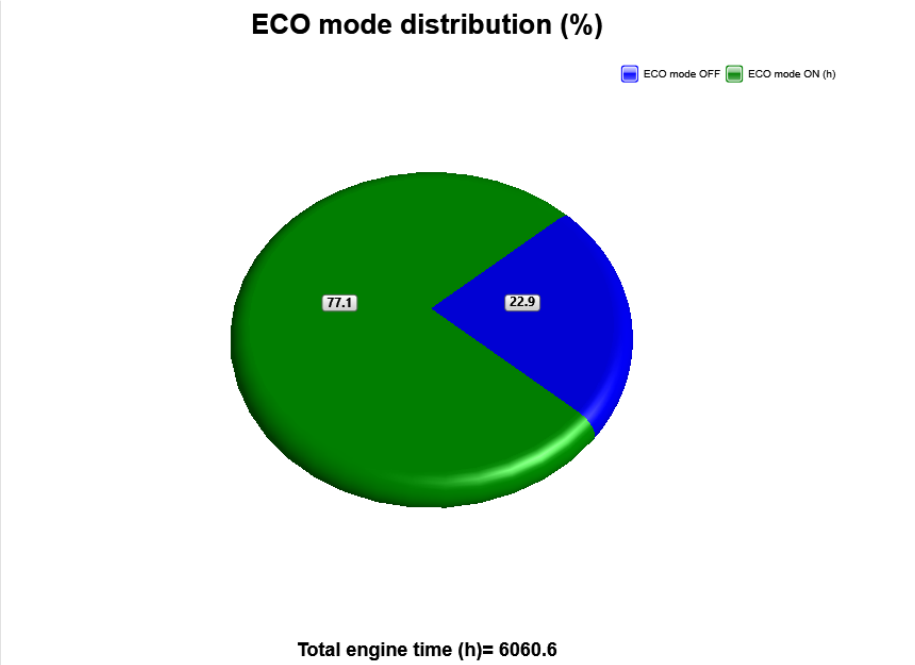
X-axis: Engine coolant temperature.

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
EC300E	310133	6059.4	12/11/2019



An error has occurred while processing HtmlTextBox 'htmlTextBox1':
The 'font' start tag on line 1 position 114 does not match the end tag of 'BR'. Line 1, position 145.

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

Low coolant level
Total number of occurences = 1586

	Op hours	Year	Month	Day	Hour	Minute
*	4457	2016	11	23	9	32
*	4457	2016	11	23	9	24
*	4457	2016	11	23	9	21
*	4457	2016	11	23	9	18
*	4457	2016	11	23	9	0
*	4459	2016	11	23	11	40
*	4460	2016	11	23	12	28
*	4460	2016	11	23	12	10
*	4460	2016	11	23	11	53
*	4460	2016	11	23	12	15
*	4460	2016	11	23	12	13
*	4463	2016	11	23	15	32
*	4534	2016	12	10	6	16
*	4535	2016	12	10	12	54
*	4535	2016	12	10	12	12
*	4659	2017	1	6	6	8
*	5215	2017	4	4	10	9
*	5854	2017	8	7	10	27
*	6029	2017	8	25	5	58
*	6056	2018	7	16	10	10

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

Duration (minutes)
0
0
0
1
3
1
4
0
0
0
0
0
7
0
2
10
2
0
2
0

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

Criteria :

In order for an occurrence of low engine coolant level to be recorded in a data point, the count to increment by 1 the engine coolant level state must change from “normal” to “low.”

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

High Charge air temperature
Total number of occurences = 0

Op hours	Year	Month	Day	Hour	Minute	Duration (seconds)	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	321
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
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

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 :

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

Criteria :

In order for an occurrence of high engine charge air temperature to be recorded and the count to increment by 1, the engine charge air temperature must change from “normal” to “high.” The event of high engine charge air temperature will end when the status changes from “high” back to “normal.”

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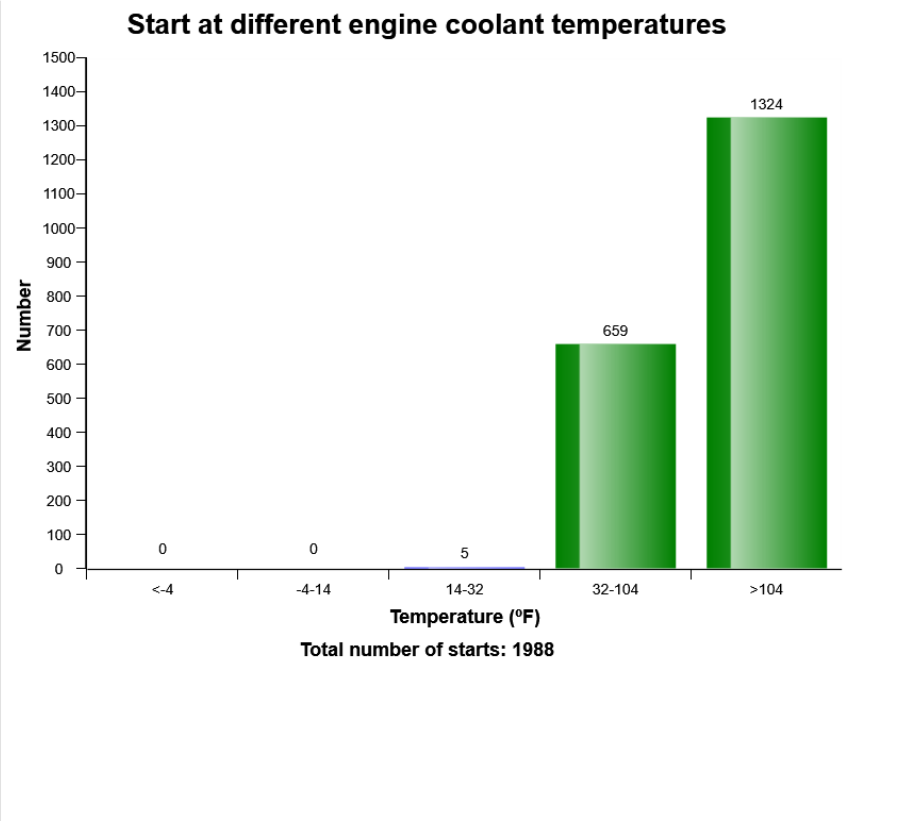

Definition:

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
EC300E	310133	6059.4	12/11/2019

Regeneration aborted
Total number of occurences = 27

	Op hours	Year	Month	Day	Hour	Minute
*	2544	2016	4	18	6	1
*	2544	2016	4	18	5	44
*	2544	2016	4	18	5	52
*	2544	2016	4	18	6	29
*	2545	2016	4	18	7	32
*	2545	2016	4	18	7	23
*	2545	2016	4	18	6	51
*	2545	2016	4	18	6	41
*	2546	2016	4	18	8	14
*	2546	2016	4	18	7	50
*	3656	2016	8	8	9	15
*	4071	2016	9	26	12	5
*	4071	2016	9	26	12	3
*	4072	2016	9	26	13	4
*	4260	2016	10	24	11	36
*	4260	2016	10	24	10	55
*	4897	2017	2	9	9	56
*	4898	2017	2	9	10	12
*	5896	2017	8	11	14	46
*	6018	2017	8	23	23	46

An error has occurred while processing HtmlTextBox 'ExplanationTxb':
'WordSection1' is an unexpected token. The expected token is "" or "'. Line 1, position 18.

Reason
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2

Machine model	SerialNo	Operating Hours	Reading Date
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Regeneration ignored
Total number of occurences = 304

	Op hours	Year	Month	Day	Hour	Minute
*	4341	2016	11	7	8	51
*	4342	2016	11	7	10	44
*	4342	2016	11	7	11	57
*	4342	2016	11	7	11	47
*	4342	2016	11	7	11	19
*	4342	2016	11	7	11	12
*	4342	2016	11	7	10	54
*	4343	2016	11	8	11	34
*	4343	2016	11	8	10	55
*	4896	2017	2	9	8	36
*	4900	2017	2	9	12	49
*	4930	2017	2	14	11	5
*	4935	2017	2	15	7	14
*	4935	2017	2	15	6	24
*	4985	2017	2	22	14	50
*	4987	2017	2	22	19	31
*	5336	2017	6	2	11	41
*	5894	2017	8	11	13	37
*	6018	2017	8	23	23	38
*	6018	2017	8	23	23	49

An error has occurred while processing HtmlTextBox 'ExplanationTxb':
The 'span' start tag on line 1 position 43 does not match the end tag of 'BR'. Line 1, position 153.

Duration (min)
70
2
30
3
11
1
16
41
38
243
68
261
166
40
117
43
40
109
10
48

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

Regeneration duration
Total number of occurences = 292

	Op hours	Year	Month	Day	Hour	Minute
*	3172	2016	6	15	14	47
*	3173	2016	6	15	15	43
*	3173	2016	6	15	16	16
*	3174	2016	6	15	16	27
*	3656	2016	8	8	9	0
*	4071	2016	9	26	11	54
*	4072	2016	9	26	12	39
*	4259	2016	10	24	10	32
*	4260	2016	10	24	11	8
*	4263	2016	10	24	16	32
*	4344	2016	11	8	12	10
*	4897	2017	2	9	9	50
*	4898	2017	2	9	10	8
*	4901	2017	2	9	13	17
*	4937	2017	2	15	9	24
*	4987	2017	2	22	19	34
*	5336	2017	6	2	11	41
*	5895	2017	8	11	14	34
*	6018	2017	8	23	23	40
*	6018	2017	8	23	23	57

An error has occurred while processing HtmlTextBox 'ExplanationTxb':
The 'span' start tag on line 1 position 43 does not match the end tag of 'BR'. Line 1, position 153.

Duration (min)
28
31
9
2
54
11
64
23
29
5
5
6
4
40
36
40
40
52
6
40

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

High engine coolant temperature
Total number of occurences = 0

Op hours	Year	Month	Day	Hour	Minute	Duration (seconds)	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
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

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.

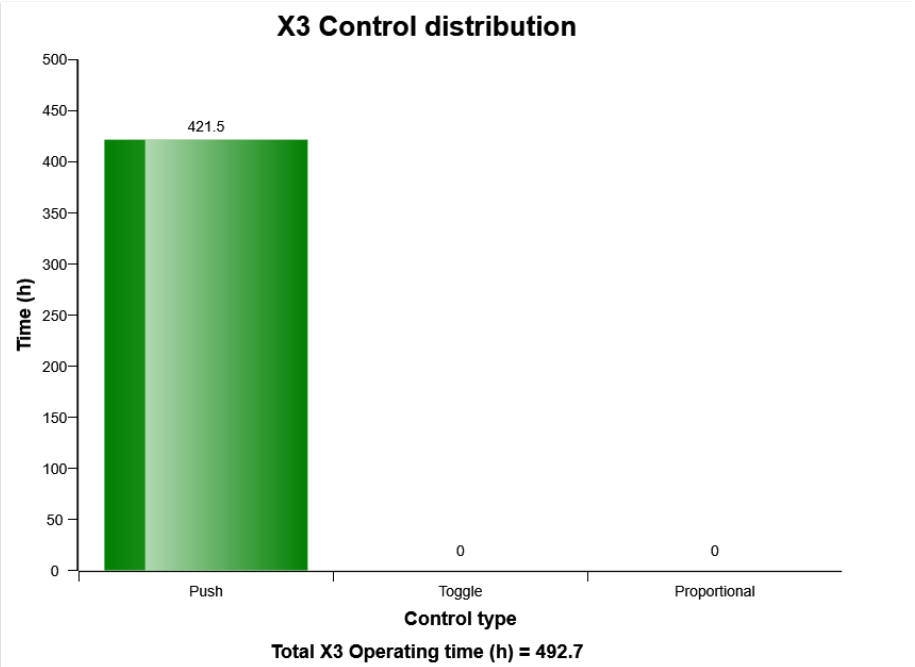
Extreme value :

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

Criteria :

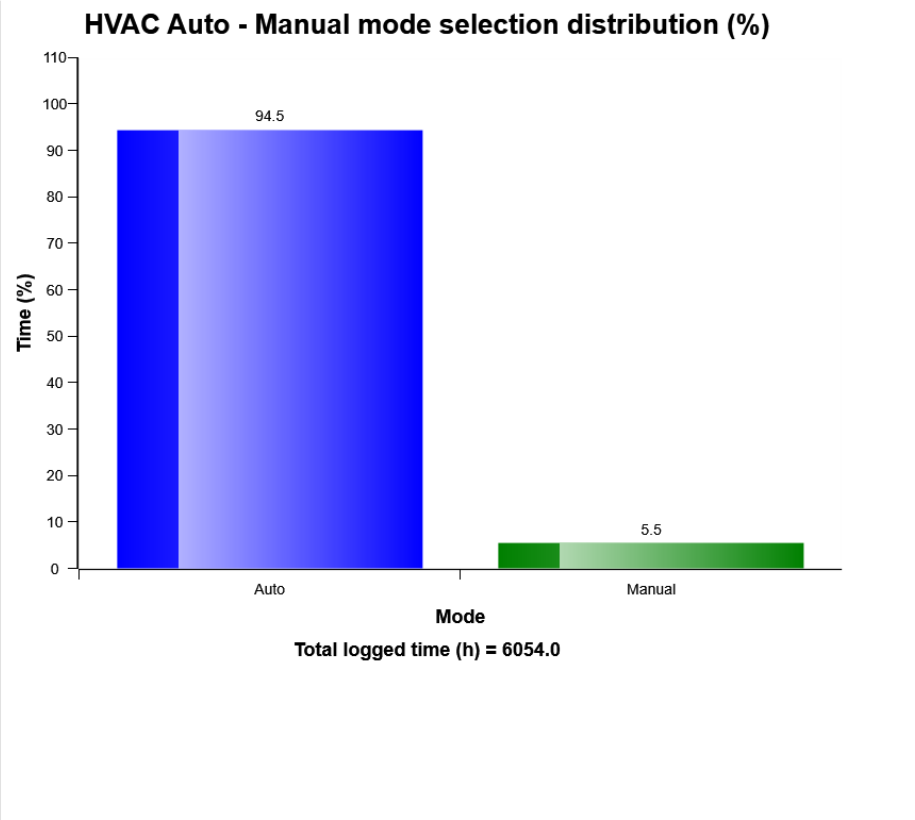
The criteria to get an registration, is that the alarm signal for high engine coolant temperature is active and that the diesel engine is running.

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



An error has occurred while processing HtmlTextBox 'htmlTextBox1':
'WordSection1' is an unexpected token. The expected token is "" or "'. Line 1, position 18.

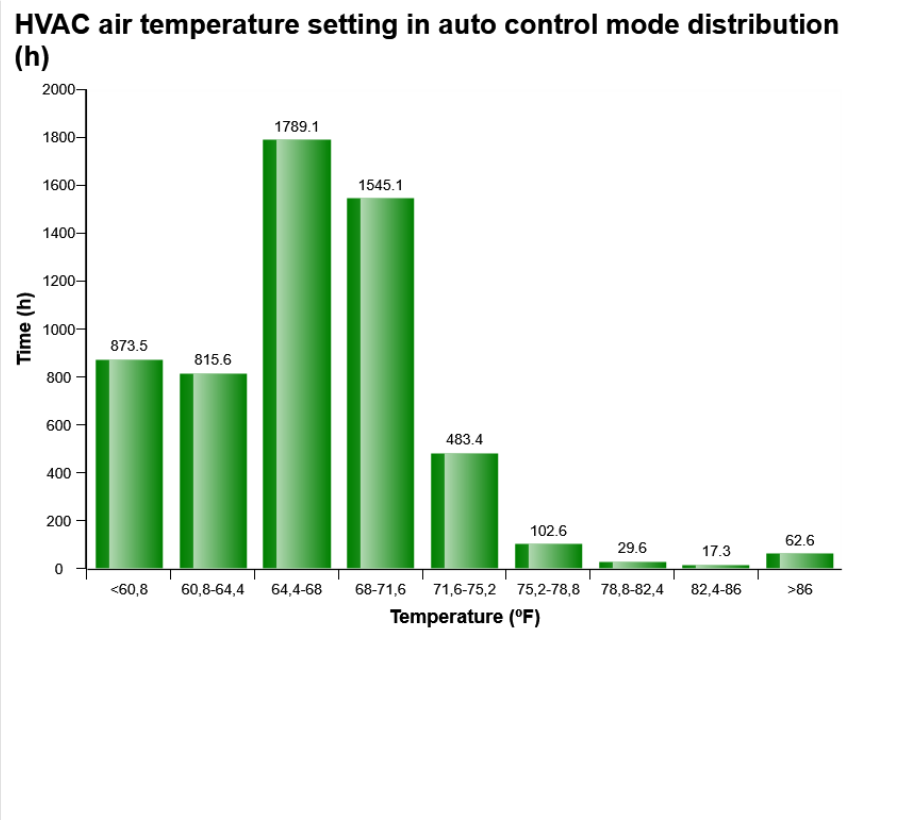
Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



Definition:

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

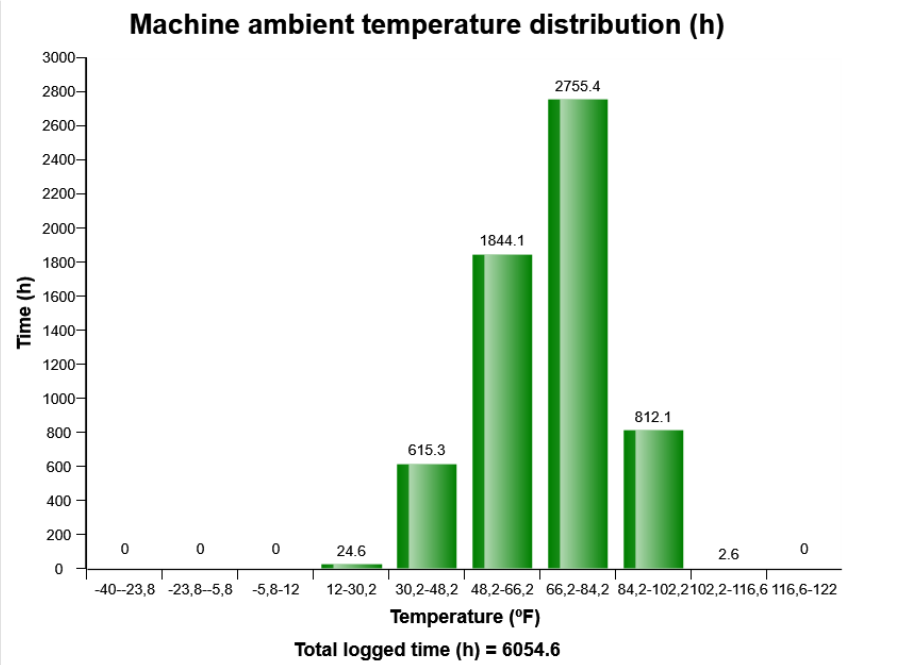
Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



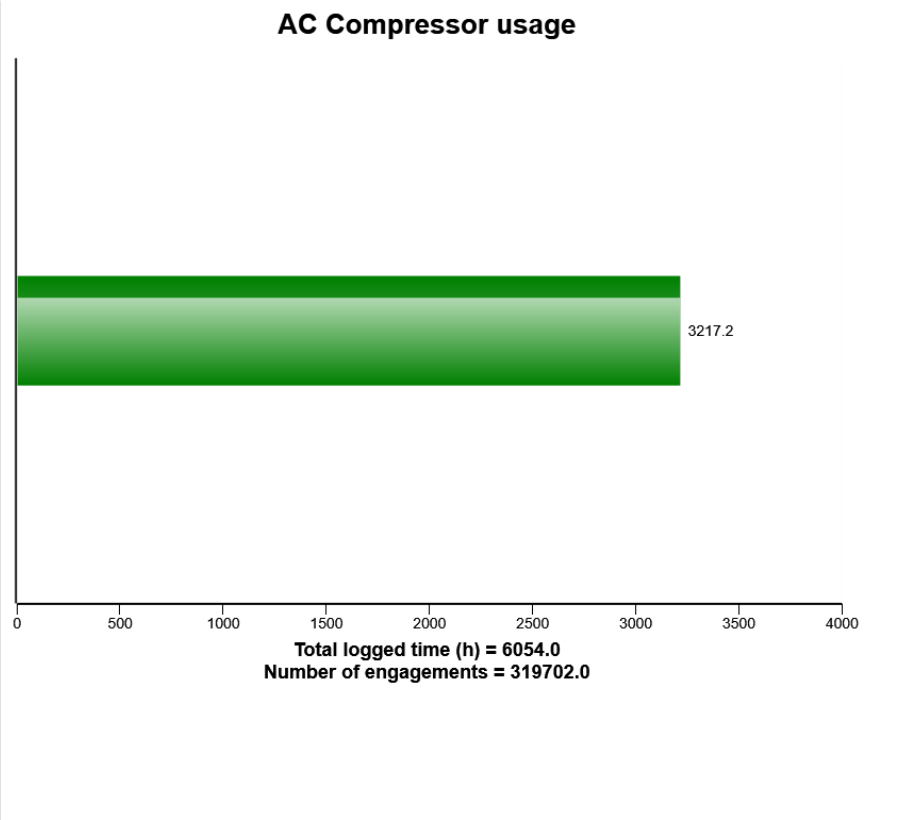
Definition:

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

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



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
EC300E	310133	6059.4	12/11/2019

-

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

AC High Pressure
Total number of occurences = 0

Op hours	Year	Month	Day	Hour	Minute	Duration (seconds)	Ambient temperature (°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
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

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：

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
EC300E	310133	6059.4	12/11/2019

AC System Cut Out Pressure
Total number of occurences = 0

Op hours	Year	Month	Day	0	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
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

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.

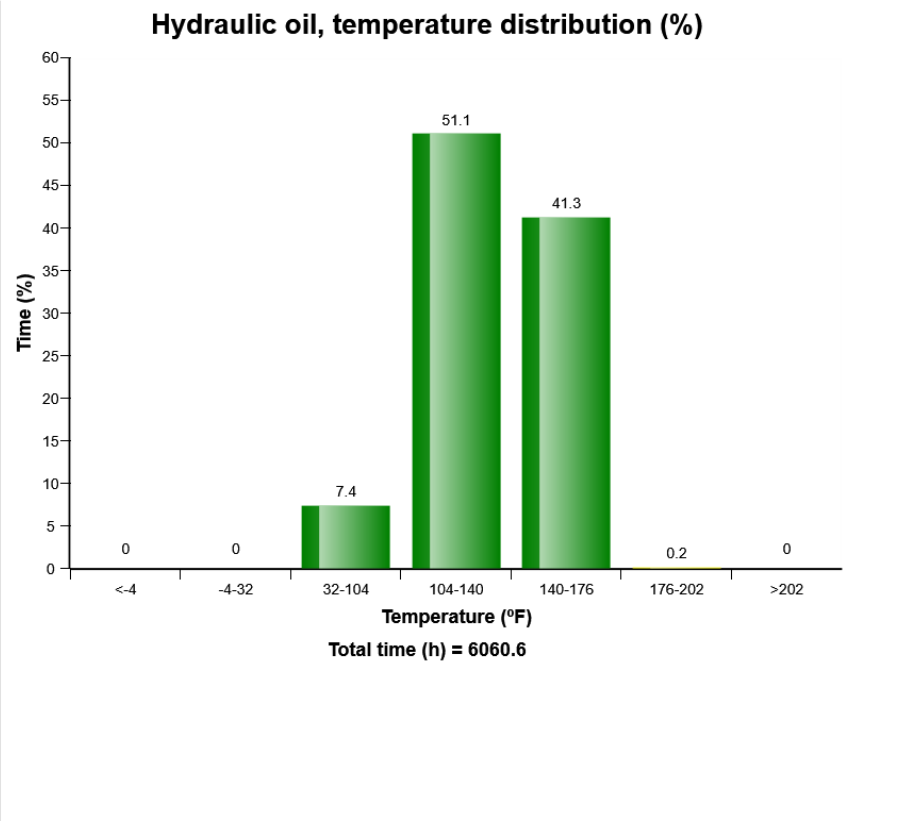
Extreme value :

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
EC300E	310133	6059.4	12/11/2019



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.

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

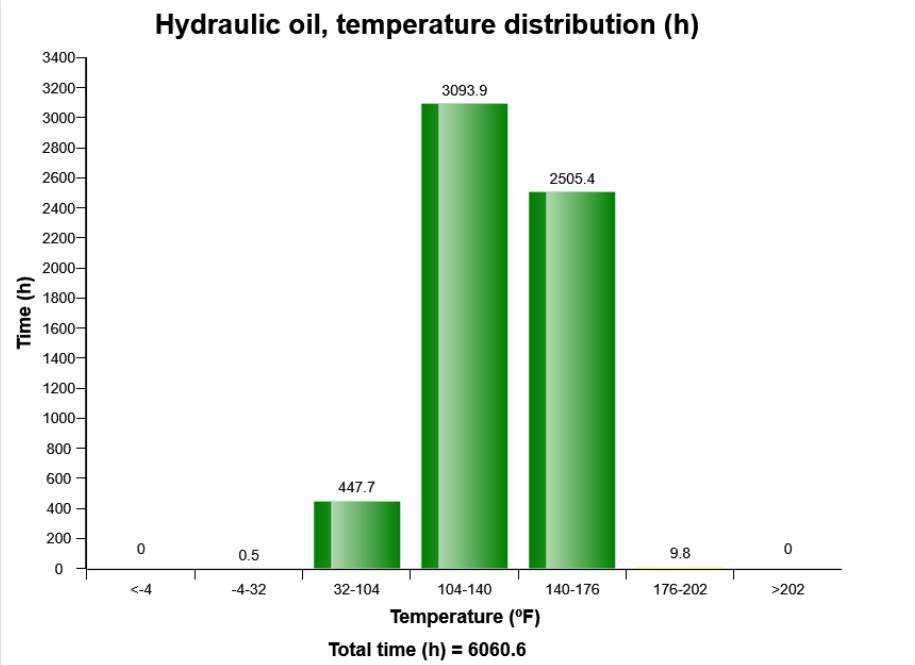
Green bar = Normal working temperature. The Major part of the registrations shall be in this region.

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
EC300E	310133	6059.4	12/11/2019



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.

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

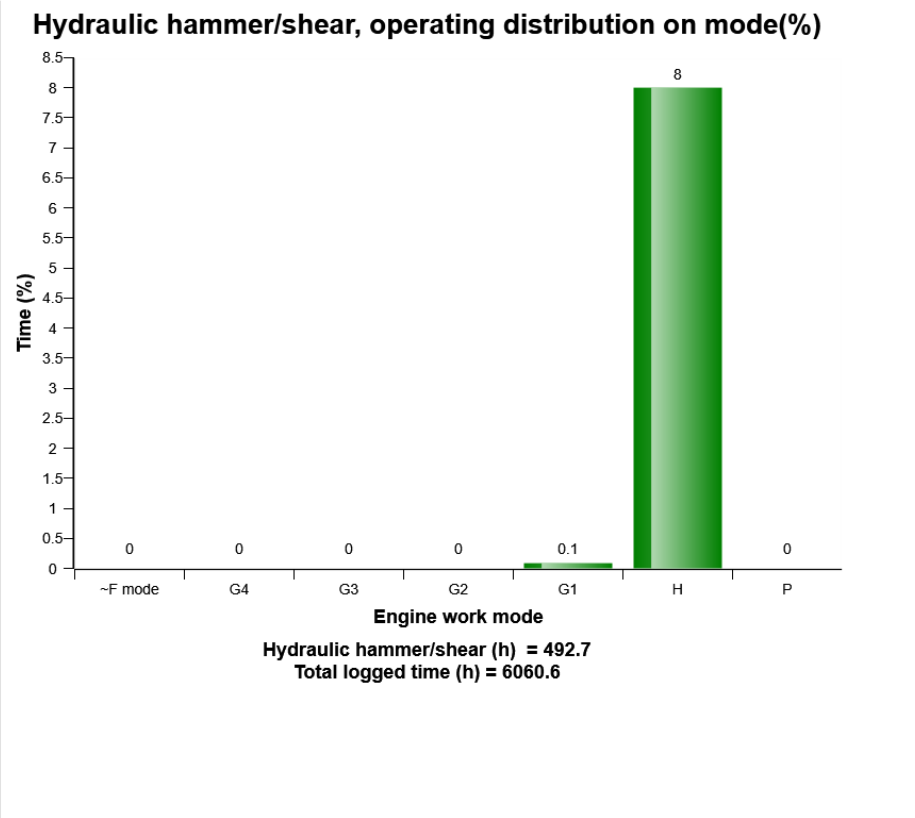
Green bar = Normal working temperature. The Major part of the registrations shall be in this region.

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
EC300E	310133	6059.4	12/11/2019



Definition:

The graph describes the operating hours (%) for hydraulic hammer/shears on each engine control mode .

Recommended to use green column mode of the hammer operation.

I2 = Idle 2

I1 = Idle 1

F3= Fine control 3

F2= Fine control 2

F1= Fine control 1

G3 = General 3

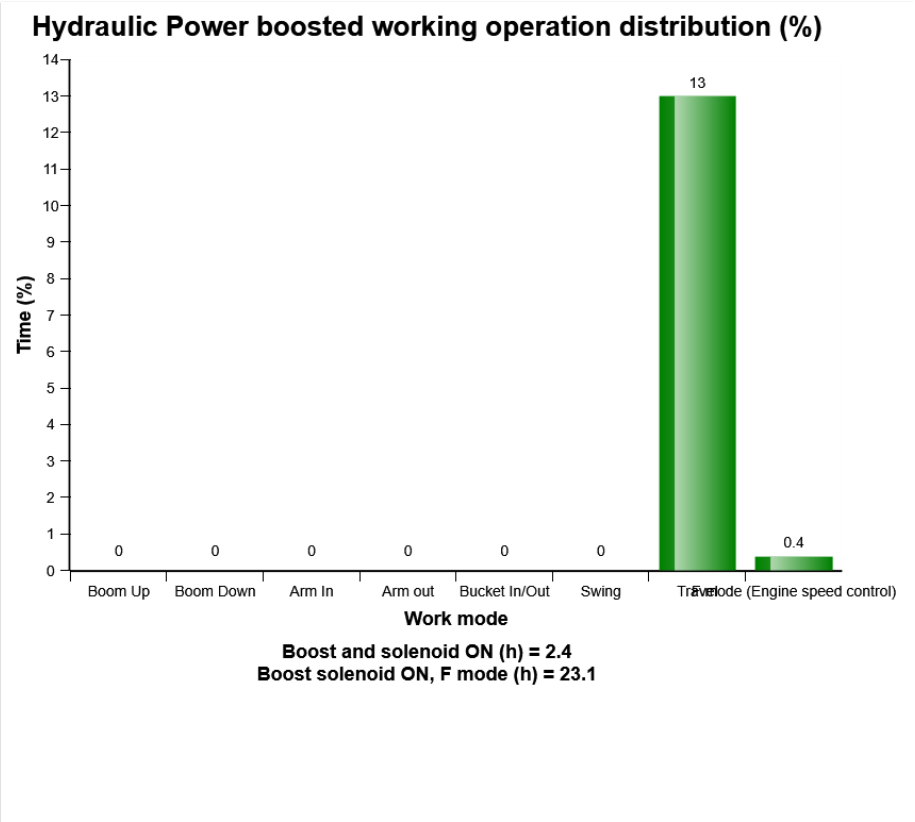
G2 = General 2

G1 = General 1

H = Heavy Duty

P = Power max

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

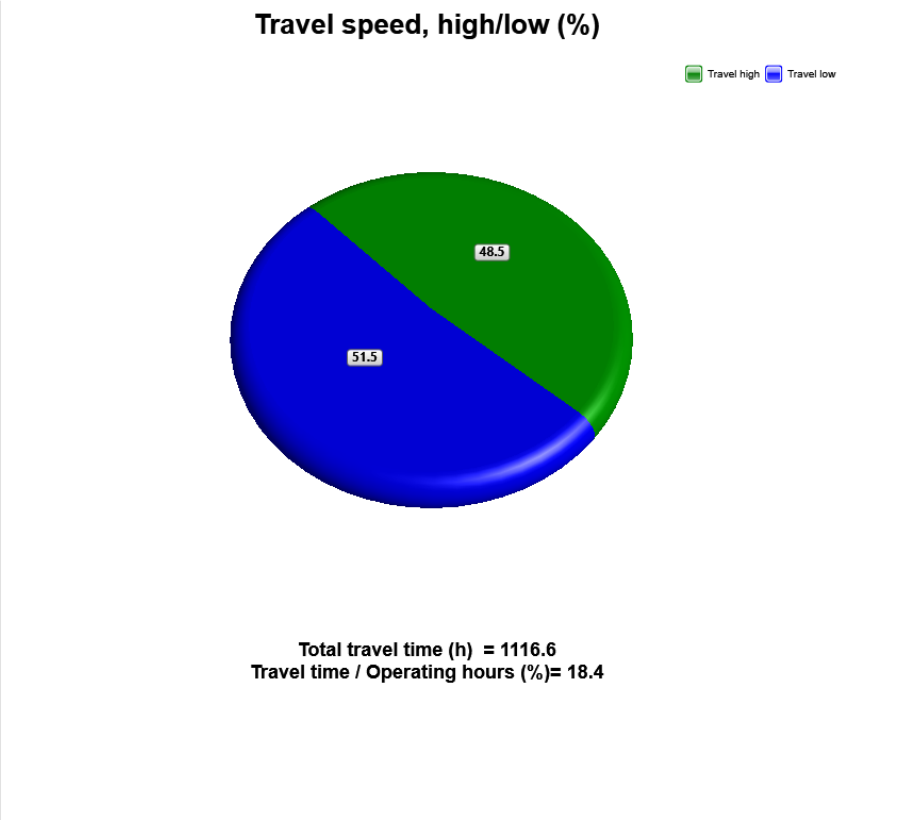


Definition:

T he diagram describes Power boosted operating time distribution, when main relief pressure increases on working operation modes. In this diagram, the sum of time (%) of each working operation mode can exceed 100%. It means that customer has been operated several working operations at the same time.

Total operating time with power boosted (hours) in above means sum of the time for Hydraulic Power boosted operation. The base for the percentage calculation is Total operating time with power boost. Time(%) on each working operation mode except travel and F mode above is the time, after the operator press power boost button on the joystick and until main relief pressure is recovered to default pressure.

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



Definition:

This graph shows operating hour distributions on each travel speed for total travel time.

Blue sector: Travel switch in low position

Green sector: Travel switch in high position

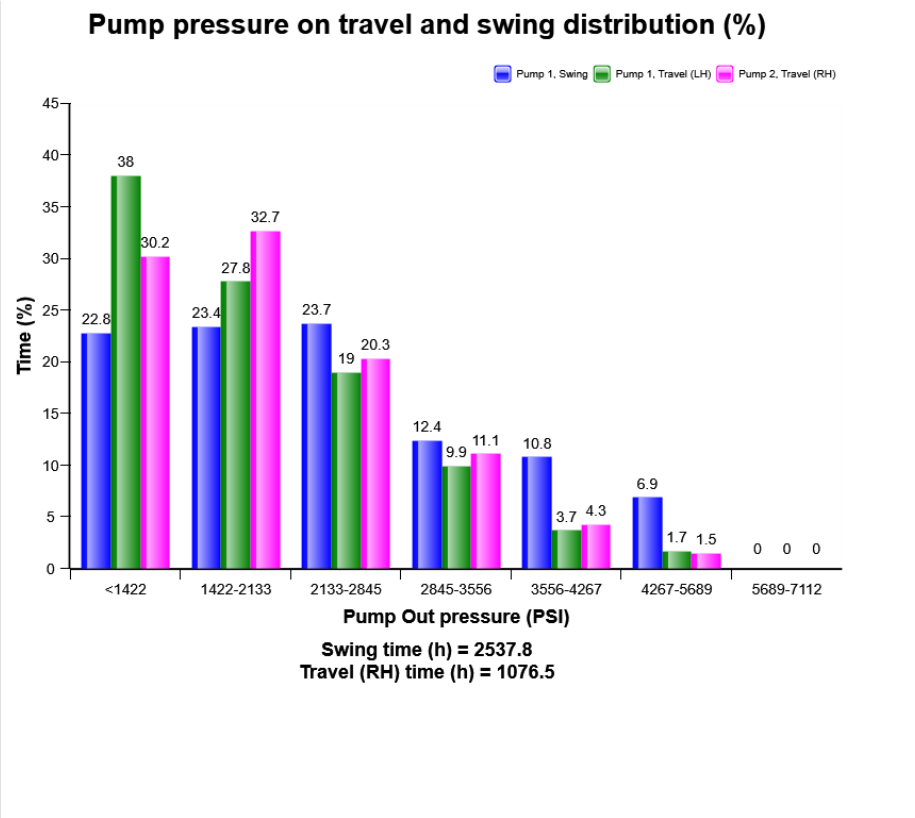
Explanation:

Distribution of each travel time is shown on right of its sector in percentage

The sum of travel time in percentage is 100

Total travel time is listed below the diagram

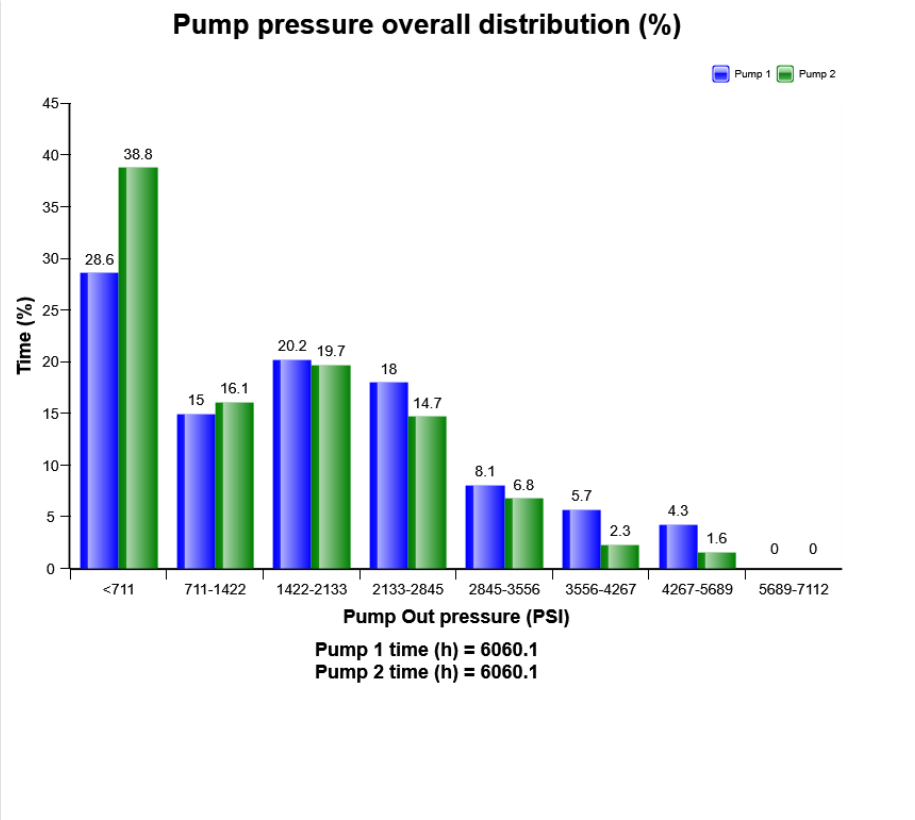
Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



Definition:

The diagram describes Pump outlet pressure of 2 Pumps for travel and swing operation distribution. In case operator use several operations at the same time, this pressure distribution for travel and swing operation can be different from actual operating pressure distribution for travel and swing operation in field.

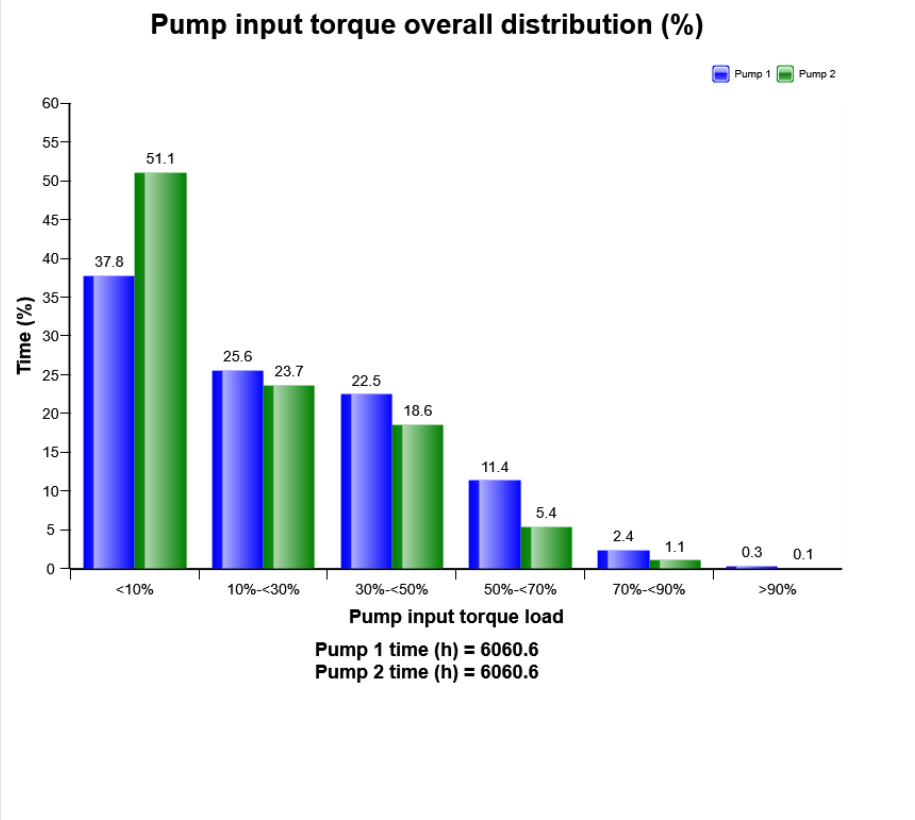
Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



Definition:

The diagram describes Pump outlet pressure of 2 Pumps distribution.

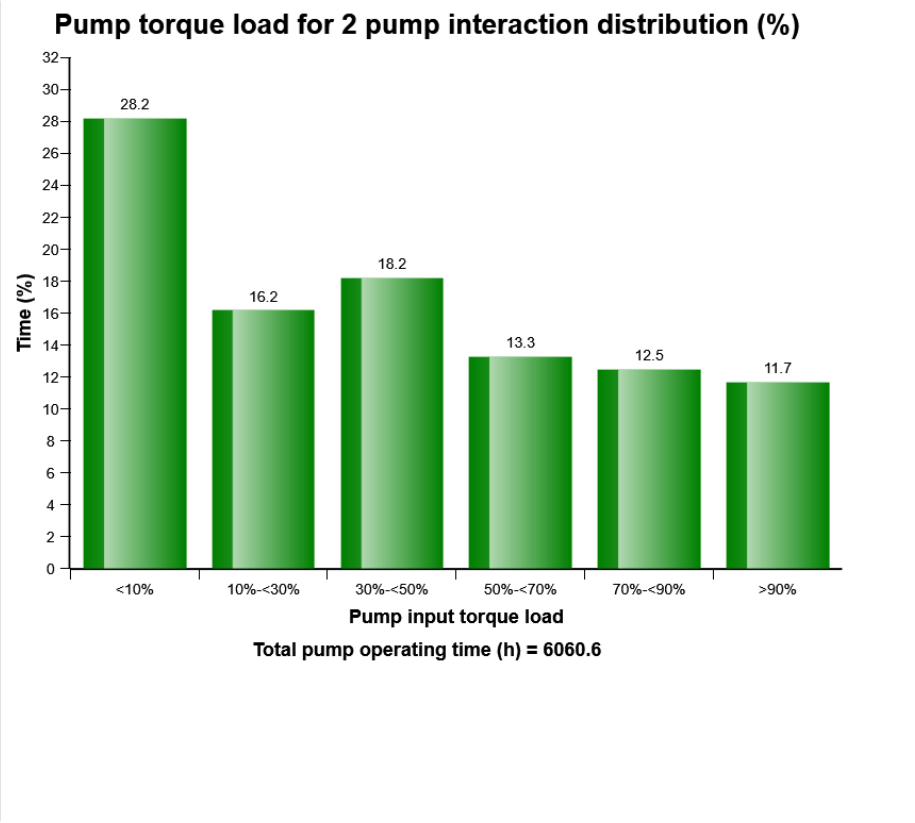
Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



Definition:

The diagram describes Pump torque load of 2 Pumps distribution.

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

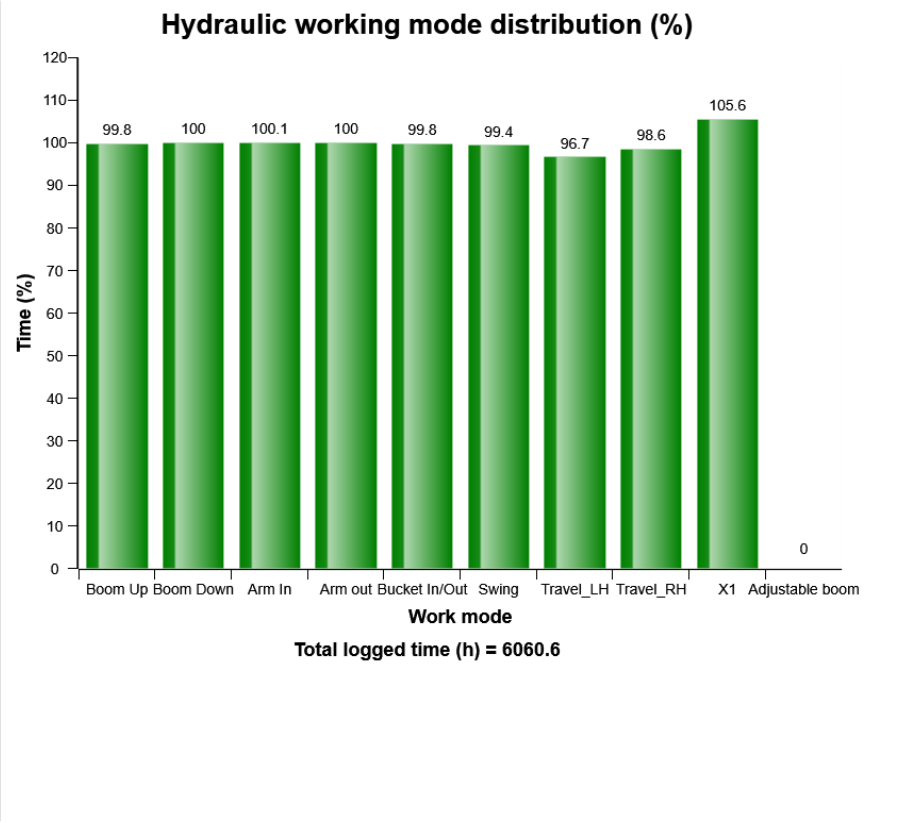


Definition:

This is to see total torque load distribution of 2 pumps when it operates 2 pumps at the same time.

The diagram describes total Pump torque load for 2 Pump’s interaction distribution

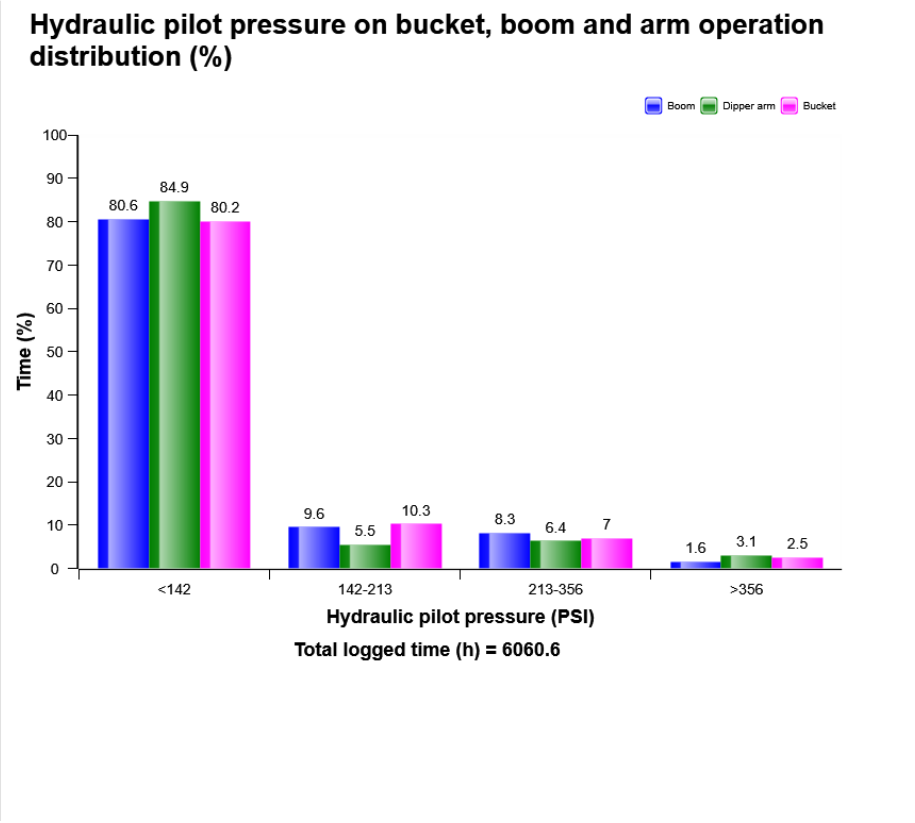
Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



Definition:

The diagram describes hydraulic working operation mode distribution.

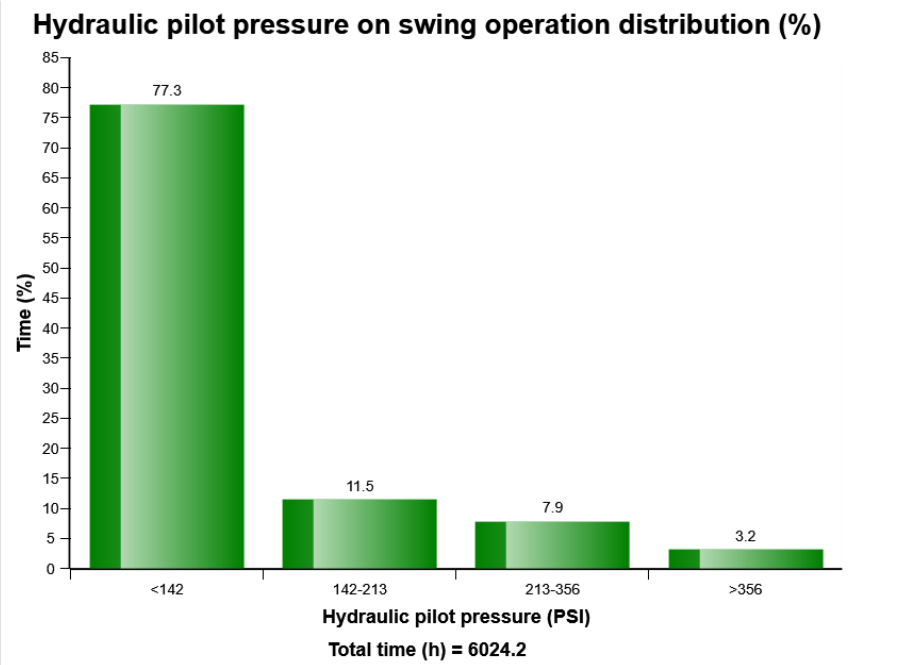
Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



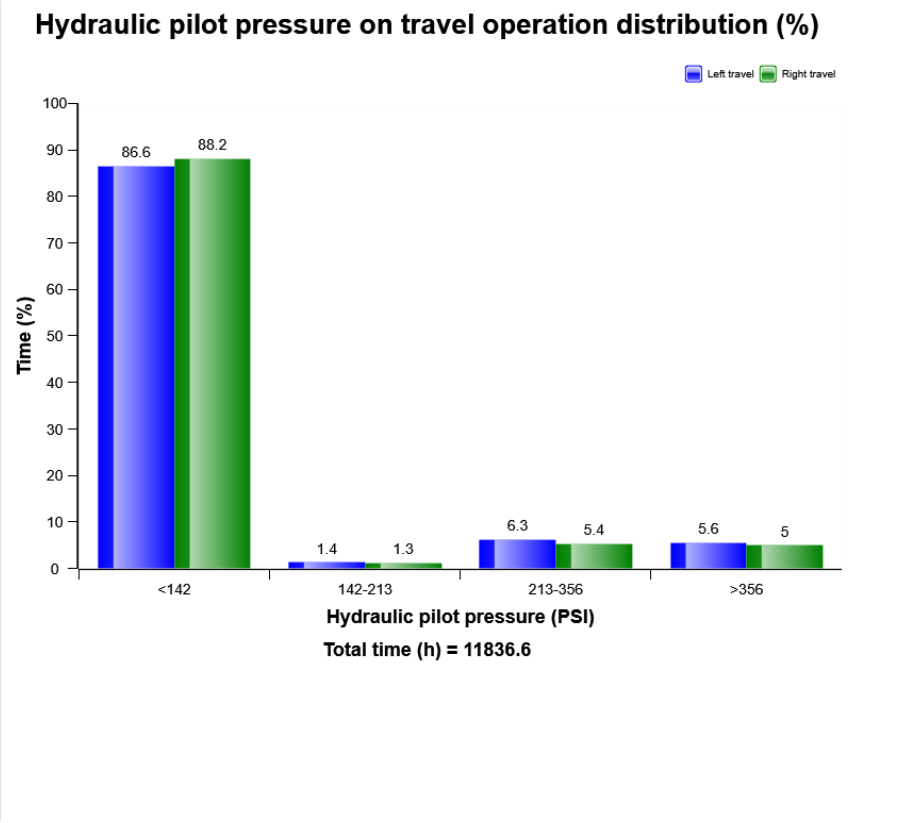
Definition:

The diagram describes the distribution of hydraulic pilot pressure in specified operation

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019



Definition:

The diagram describes the distribution of hydraulic pilot pressure in specified operation

Machine model	SerialNo	Operating Hours	Reading Date
EC300E	310133	6059.4	12/11/2019

High hydraulic oil temperature
Total number of occurences = 0

Op hours	Year	Month	Day	Hour	Minute	Duration (seconds)	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
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

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 :

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

Criteria :

Logging is performed when, Alarm high hydraulic oil temperature , is active.