VOLVO CONSTRUCTION EQUIPMENT MATRIS REPORT

Machine model	SerialNo		Operating Hours		Reading Date
A40G	340446		5670.2		31/12/2019
Company name		Dealer		Report Issuer	
volvo		arnold machinery			
Contact name		Technician		Primary Application	
mike seifert		CE Tech		Earth moving construction	
Site		Workorder		Ground Condition	

MATRIS Reading, Summary / Recommendation

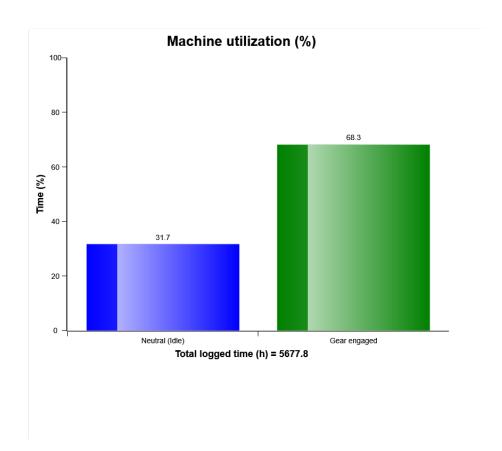


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Main equipment	Туре	Equipment
	Tyre size/class	Sold without tyres
	Body extensions	Not mounted
	Tail-gate	Not mounted
	Extra spillguard	Not mounted
	Wear plates	Not mounted
	Pattern	None



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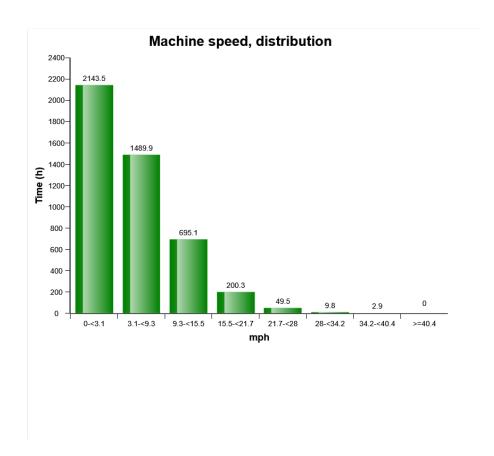
The diagram shows a simplified presentation of the machines utilization based on the relation between time in gear and time in neutral. The "Gear engaged" includes both forward and reverse gears.

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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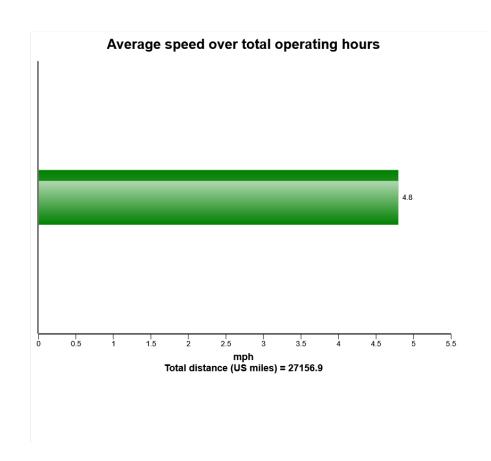


The presentation shows the time in hours in speed-intervals for the machine.

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"



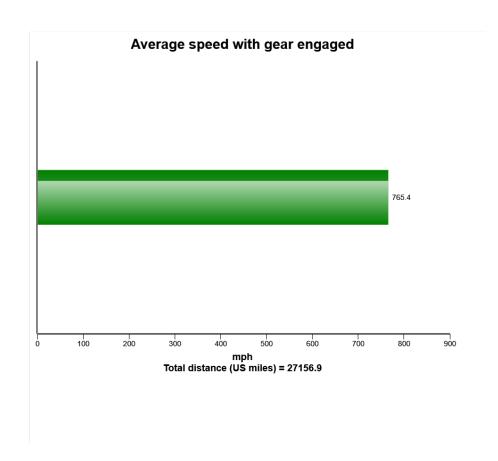
Machine model	SerialNo	Operating Hours	Reading Date
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The diagram shows the machines average speed based on the total operating hours



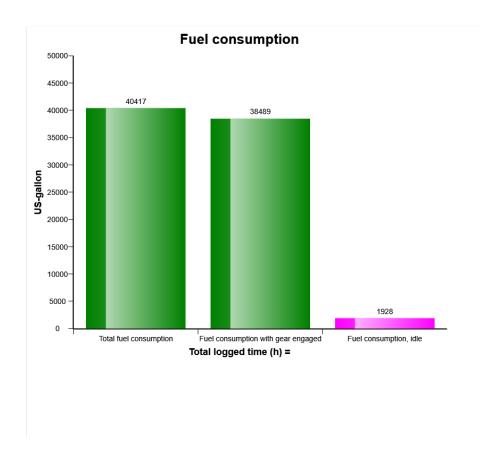
Machine model	SerialNo	Operating Hours	Reading Date
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The diagram shows the machines average speed based on the operating hours with gear engaged.



Machine model	SerialNo	Operating Hours	Reading Date
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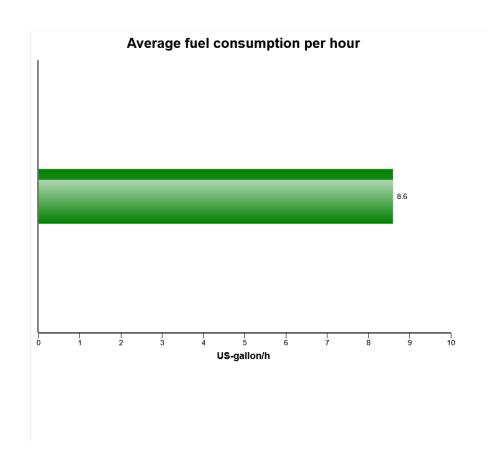


The diagram shows the total fuel consumption, fuel consumption with gear engaged and fuel consumption during idle.

High fuel consumption during idle can indicate that the machine is not fully utilized.



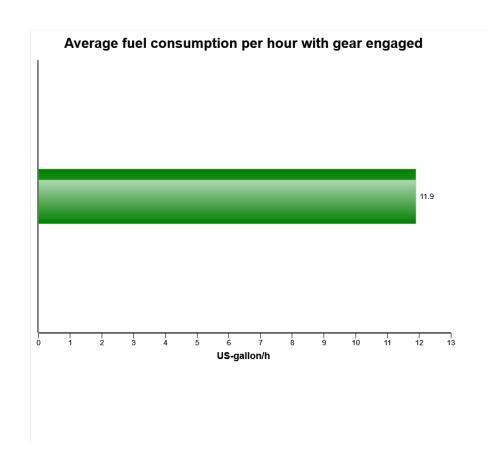
Machine model	SerialNo	Operating Hours	Reading Date
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The diagram shows the average fuel consumption based on total operating hours



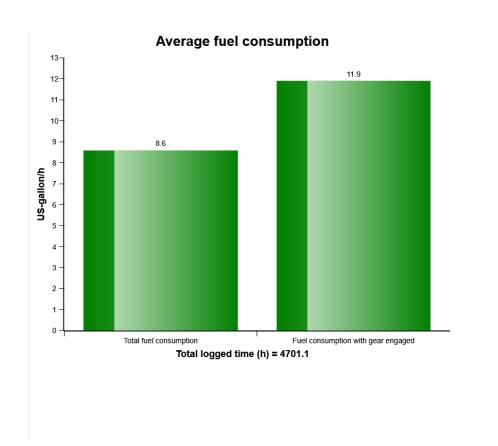
Machine model	SerialNo	Operating Hours	Reading Date
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The diagram shows the average fuel consumption based on operating hours with gear engaged



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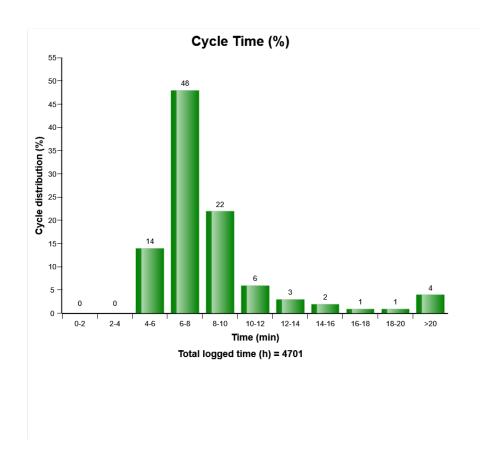


The diagram shows the total average fuel consumption versus average fuel consumption with gear engaged.

Big difference between the bars can indicate that the machine is not fully utilized, high idle lowers the total average fuel consumption.



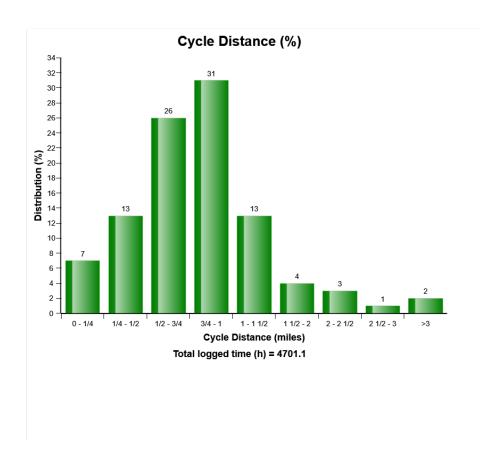
Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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.



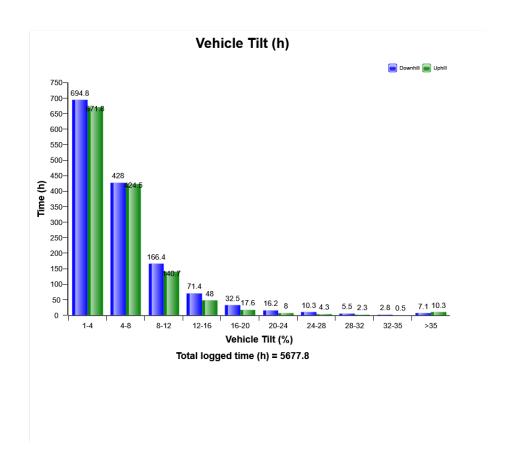
Machine model	SerialNo	Operating Hours	Reading Date
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The diagram shows the distribution of the working cycle distance. The distance driven between 2 valid cycle registrations.



Machine model	SerialNo	Operating Hours	Reading Date
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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 1 km/h (0,62mph) and that the engine is on.



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Accumulated performance Total logged time (h) =

Total logged time (h) =
Fuel consumption (US-gallons)
Production (ton,US)
Ton/h
Ton/gal
Fuel efficiency (US Gal/ton)
Number of cycles
Cycles overloaded (%)
Load utilisation / cycle (%)

The table shows the accumulated values for respectively area stated in the table.

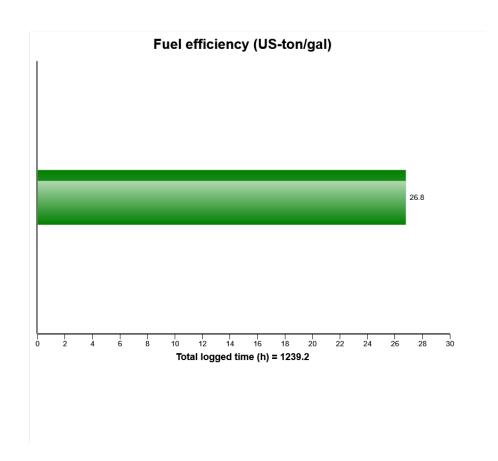
Values are saved over the life of the machine only when the engine is running.



1239.2
12461
334119
269.6
26.8
0.04
8071
0
58



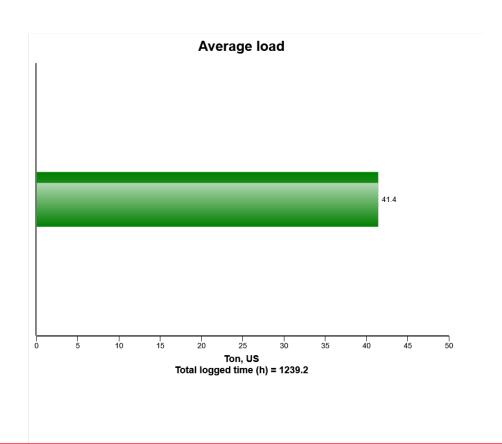
Machine model	SerialNo	Operating Hours	Reading Date
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The presentation display the average produced tonne per fuel unit over the machines lifetime



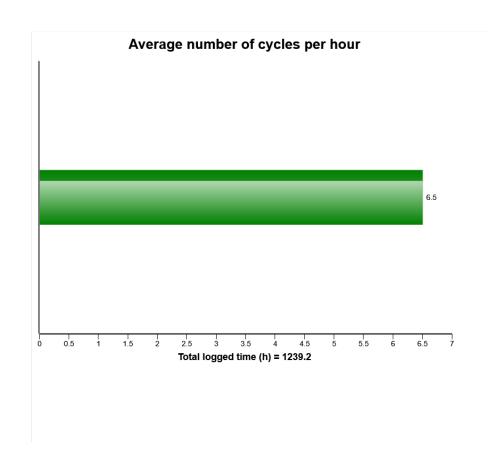
Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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



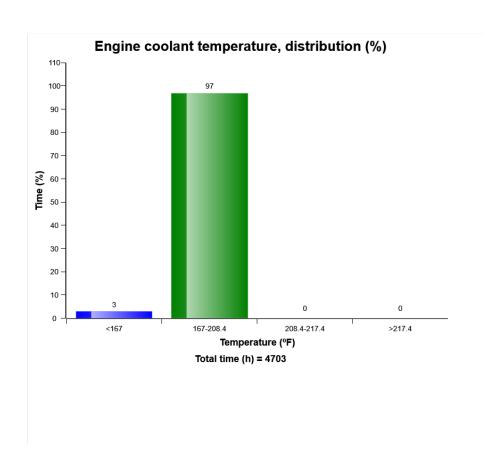
Machine model	SerialNo	Operating Hours	Reading Date
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The presentation shows the average number of cycles per hour over the machines lifetime.



Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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
A40G	340446	5670.2	31/12/2019

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

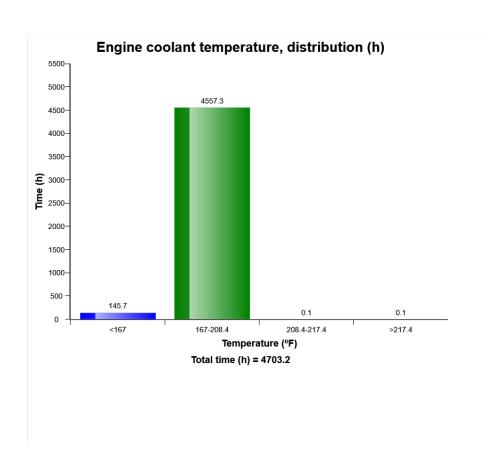
Yellow bar = High working temperature. It is normal to have some registrations in this region.

Red bar = Alarm.

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



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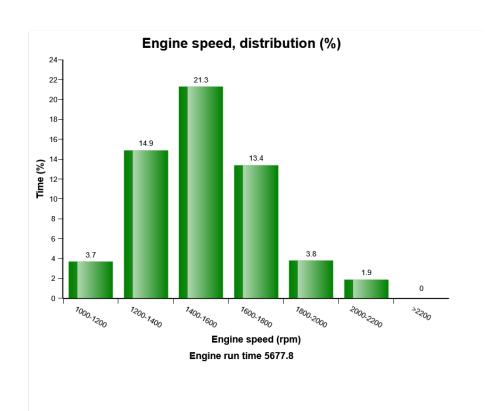
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Registrations in this region is not normal, running in this region may cause severe damage.



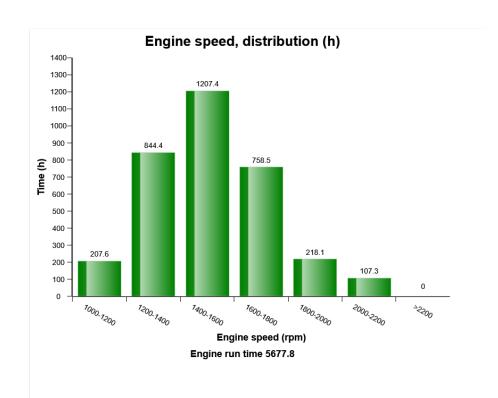
Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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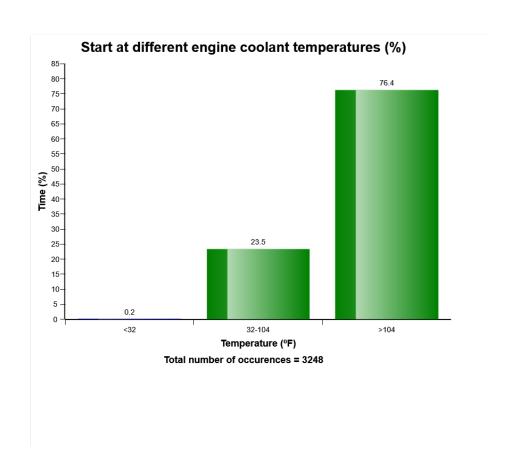
Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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
A40G	340446	5670.2	31/12/2019



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.



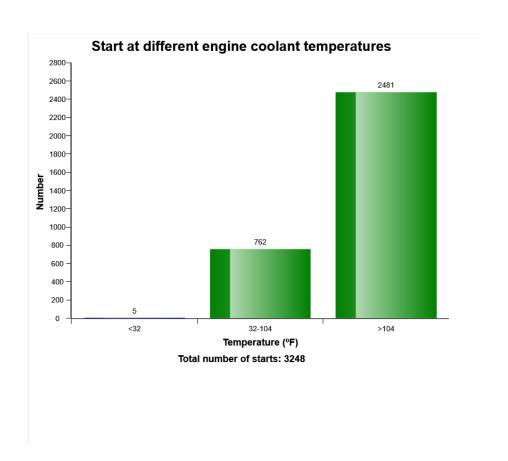
Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019

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
A40G	340446	5670.2	31/12/2019



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.

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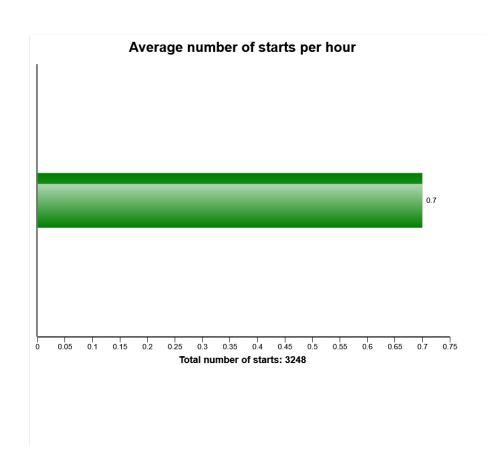
Machine model	SerialNo	Operating Hours	Reading Date
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Under the graph the total number of engine starts is displayed.

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



Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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
A40G	340446	5670.2	31/12/2019

High engine coolant temperature Total number of occurences = 1

	Op hours	Year	Month	Day	Hour	Minute	Duration (sec)
В	0	2000	0	0	0	0	0
С	0	2000	0	0	0	0	0
D	0	2000	0	0	0	0	0
E	0	2000	0	0	0	0	0
F	0	2000	0	0	0	0	0
G	0	2000	0	0	0	0	0
Н	0	2000	0	0	0	0	0
l	0	2000	0	0	0	0	0
J	0	2000	0	0	0	0	0
A	5326	2019	11	1	14	25	359

Definition

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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.





Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019

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
A40G	340446	5670.2	31/12/2019

High engine oil temperature Total number of occurences = 0

	Op hours	Year	Month	Day	Hour	Minute	Duration (sec)
A	0	2000	0	0	0	0	0
В	0	2000	0	0	0	0	0
С	0	2000	0	0	0	0	0
D	0	2000	0	0	0	0	0
E	0	2000	0	0	0	0	0
F	0	2000	0	0	0	0	0
G	0	2000	0	0	0	0	0
Н	0	2000	0	0	0	0	0
ı	0	2000	0	0	0	0	0
J	0	2000	0	0	0	0	0

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Extreme value:

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Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019

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.





Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019

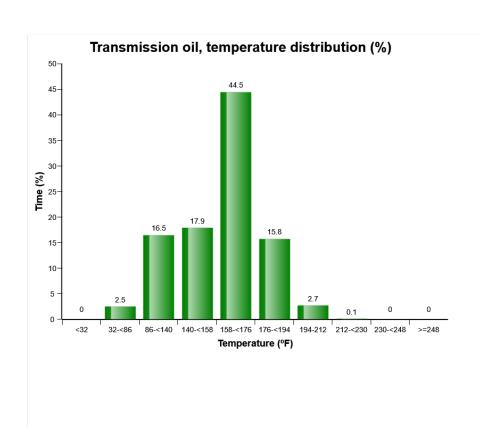
Regeneration duration Total number of occurences = 20

Op hours	Year	Month	Day	Hour	Minute	Duration (min)
1299	2016	10	15	9	17	31
1300	2016	10	15	9	51	12
1300	2016	10	15	10	12	28
1802	2017	7	7	13	56	39
1803	2017	7	7	14	45	29
2304	2017	10	19	11	14	26
2305	2017	10	19	11	40	1
2305	2017	10	19	12	31	30
2805	2018	1	5	15	32	8
2805	2018	1	5	15	9	20
2806	2018	1	5	15	53	9
2806	2018	1	10	10	46	2
2806	2018	1	10	10	53	28
3306	2018	4	25	8	29	42
3807	2018	8	12	15	21	37
3807	2018	8	12	16	0	30
4308	2018	11	14	7	26	40
4308	2018	11	14	8	6	45
4812	2019	8	10	10	51	44
5314	2019	10	31	10	46	48

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.



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

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

>248ºF Temperatures over 248ºF

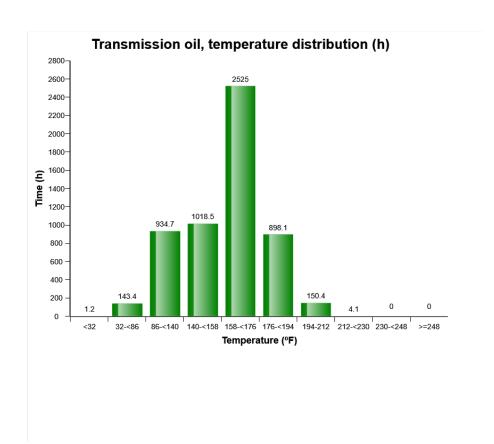
The bar that describes temperatures from 230°F until 248°F is yellow and means that the oil has began to be overheated. Driver has been given orange central warning

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



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<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
A40G	340446	5670.2	31/12/2019

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

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

>248ºF Temperatures over 248ºF

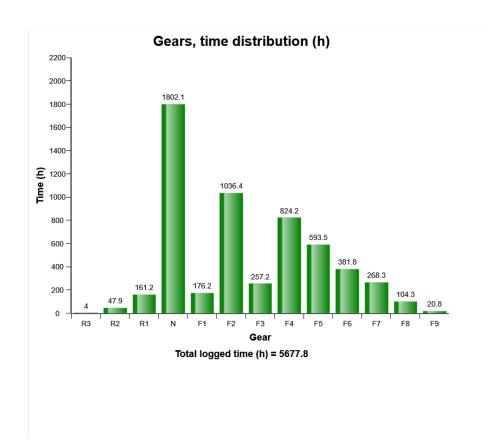
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The bar that describes >248°F is red and means that the oil has been overheated. Driver has been given red central warning.

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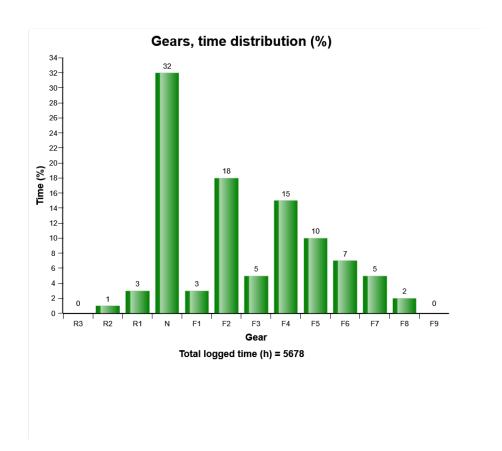


The diagram shows the time for each gear. Each bar represents a gear.

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



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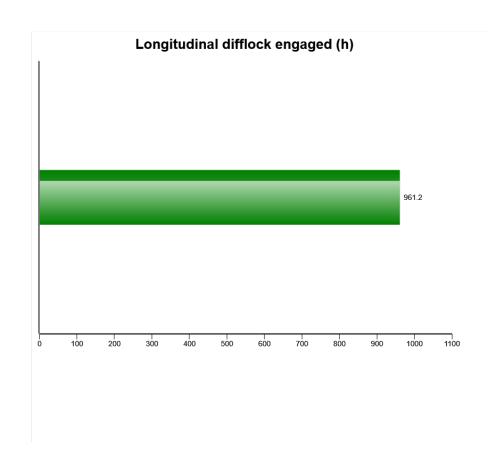


The diagram shows the time for each gear. Each bar represents a gear.

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



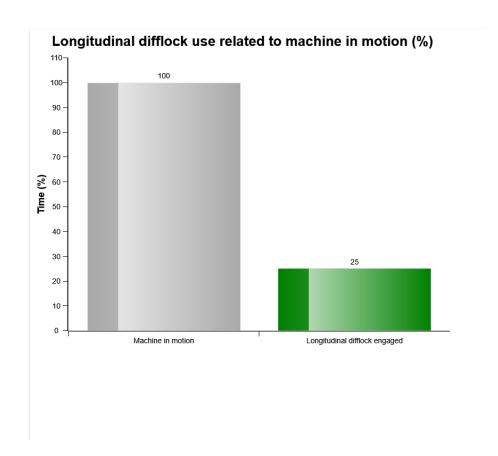
Machine model	SerialNo	Operating Hours	Reading Date
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The diagram shows how long time in hours the longitudinal difflock has been engaged. The presentation only shows time when the machine is moving as this is when the wear on the difflock occurs. The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



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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
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Transmission oil pressure low Total number of occurences = 16

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
112	2015	5	15	13	38	10	3400
180	2015	5	26	16	15	0	3379
201	2015	6	4	14	50	0	3390
202	2015	6	4	15	14	0	3374
207	2015	6	5	10	57	10	3390
238	2015	6	23	16	13	0	3501
444	2015	9	1	17	59	10	1445
547	2015	9	24	16	49	0	935
2583	2017	11	27	14	36	30	0
2809	2018	1	4	13	59	10	425
2809	2018	1	4	14	34	10	479
2809	2018	1	4	15	8	50	632
2809	2018	1	4	12	31	130	16
4522	2019	7	10	12	42	3	86
5285	2019	10	25	15	39	1	155
5297	2019	10	27	11	5	1	139

Definition :

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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:

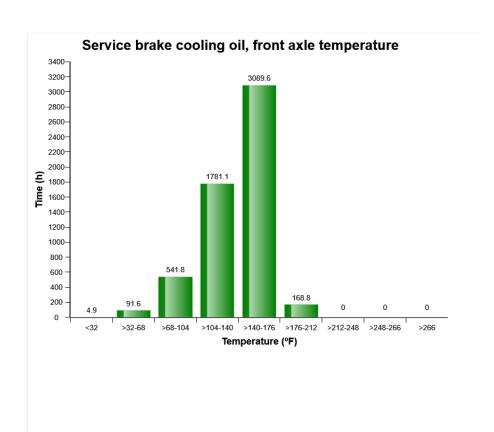
The extreme value column displays the most extreme value during the event.

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."



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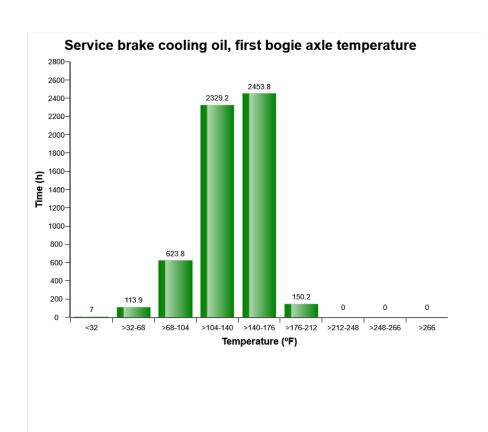


The diagram shows the front axle brake cooling oil temperature. The temperatures are divided into ranges, yellow bar ($>248-266^{\circ}F$) and red bar ($>266^{\circ}F$) shows abnormal temperatures. The temperature is registered in the line from the front axle to the oil cooler, that is, the warmest oil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



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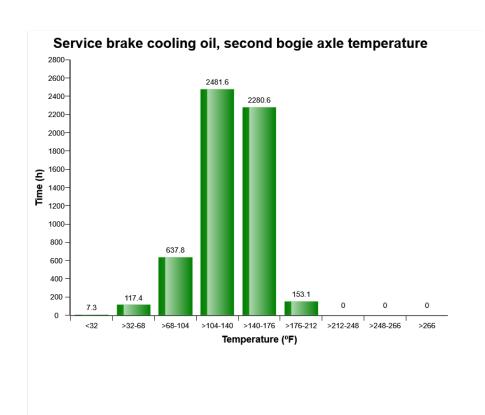


The diagram shows the first bogie axle brake cooling oil temperature. The temperatures are divided into ranges, yellow bar ($>248-266^{\circ}F$) and red bar ($>266^{\circ}F$) shows abnormal temperatures. The temperature is registered in the line from the first bogie axle to the oil cooler, that is, the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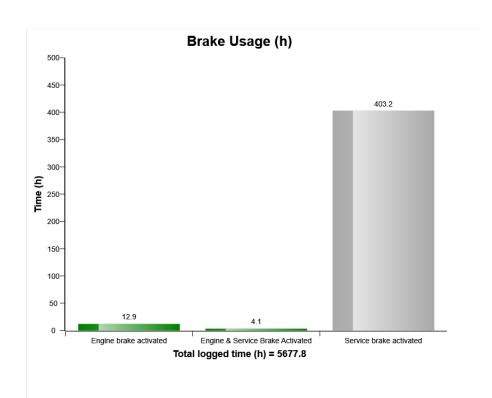


The diagram shows the front axle brake cooling oil temperature. The temperatures are divided into ranges, yellow bar (>248-266°F) and red bar (>266°F) shows abnormal temperatures. The temperature is registered in the line from the second bogie axle to the oil cooler, that is, the warmest oil in the circuit.

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.



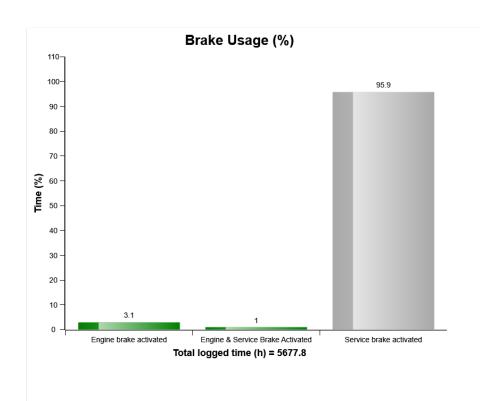
Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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
A40G	340446	5670.2	31/12/2019



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
A40G	340446	5670.2	31/12/2019

Low Brake Servo Pressure Total number of occurences = 17

	Op hours	Year	Month	Day	Hour	Minute	Duration (sec)
Н	2220	2017	9	29	7	9	0
ı	3971	2018	9	14	14	1	10
J	3971	2018	9	18	10	26	0
A	4011	2018	10	5	7	24	0
В	4011	2018	10	5	7	24	0
С	4020	2018	10	8	7	17	10
D	4053	2018	10	11	7	58	0
E	4063	2018	10	12	7	33	10
F	4074	2018	10	13	7	8	0
G	5039	2019	9	18	13	24	1

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.



Extreme (psi)

Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019

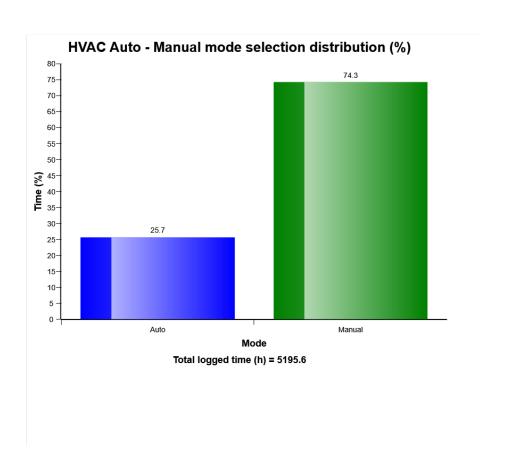
Criteria:

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.





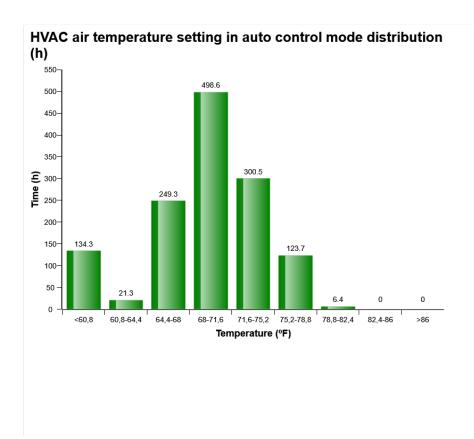
Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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.



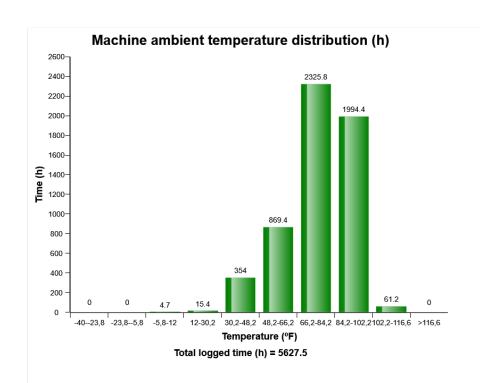
Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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

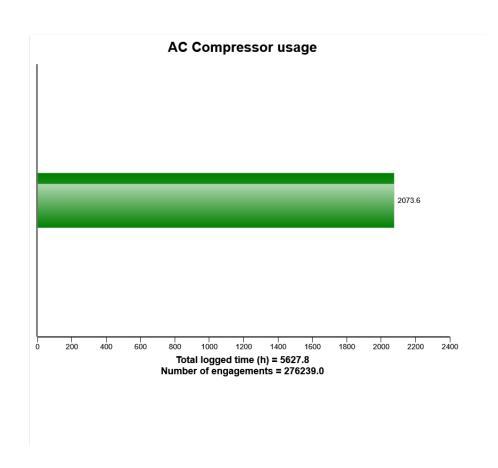


Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019





Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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.

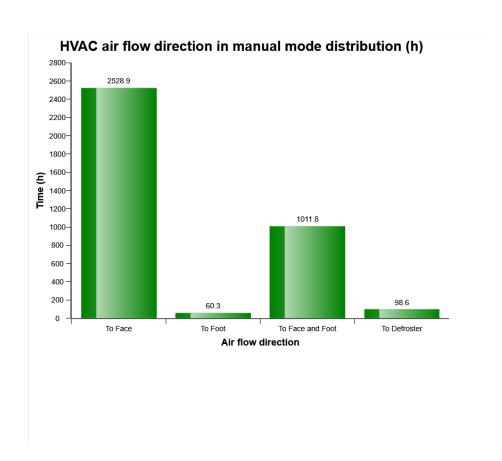


Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019

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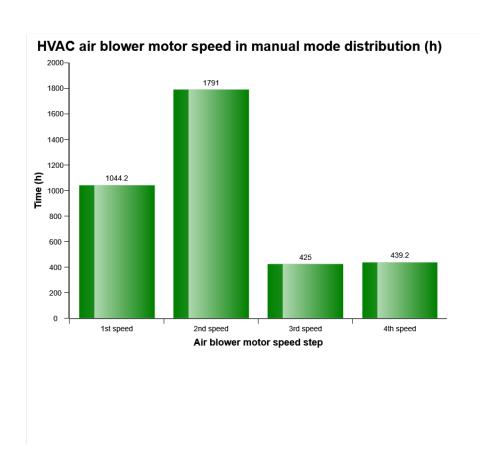
Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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



Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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
A40G	340446	5670.2	31/12/2019

AC High Pressure Total number of occurences = 1294

Op hours	Year	Month	Day	Hours	Minute	Duration (sec)	Extreme (° F)
5012	2019	8	31	17	53	8	95
5012	2019	8	31	17	52	9	95
5012	2019	8	31	17	49	71	95
5012	2019	8	31	17	45	15	97
5012	2019	8	31	17	57	10	95
5018	2019	9	1	11	42	7	90
5030	2019	9	3	6	27	527	68
5031	2019	9	3	7	0	-49256	77
5031	2019	9	3	6	37	35	68
5035	2019	9	3	13	47	5378	99
5038	2019	9	4	5	4	33	68
5039	2019	9	18	18	35	14	90
5039	2019	9	18	20	43	410	86
5039	2019	9	18	13	23	80	100
5039	2019	9	18	18	9	1090	91
5039	2019	9	19	7	20	1854	73
5040	2019	9	19	7	56	82	73
5040	2019	9	19	11	48	5843	93
5042	2019	9	19	14	24	5781	97
5044	2019	9	19	16	29	2546	95

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



Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019

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
A40G	340446	5670.2	31/12/2019

AC Boiling Protection Number of engagements = 0

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
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



Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019

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
A40G	340446	5670.2	31/12/2019

AC System Cut Out Pressure Total number of occurences = 360

Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme (° F)
4997	2019	8	30	15	41	26	100
4997	2019	8	30	15	43	18	100
4997	2019	8	30	15	45	14	100
4999	2019	8	30	17	28	10	99
4999	2019	8	30	17	24	7	100
4999	2019	8	30	17	17	7	100
4999	2019	8	30	17	45	7	99
4999	2019	8	30	17	3	13	100
4999	2019	8	30	16	58	5	100
4999	2019	8	30	17	8	20	100
5033	2019	9	3	8	59	-56411	77
5035	2019	9	3	13	47	4505	99
5039	2019	9	18	13	24	78	100
5039	2019	9	18	18	9	1089	91
5039	2019	9	18	20	43	409	86
5039	2019	9	19	7	20	1853	73
5040	2019	9	19	7	56	82	73
5040	2019	9	19	11	48	5373	93
5042	2019	9	19	14	24	4933	97
5044	2019	9	19	16	29	2285	95

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



Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019

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 :

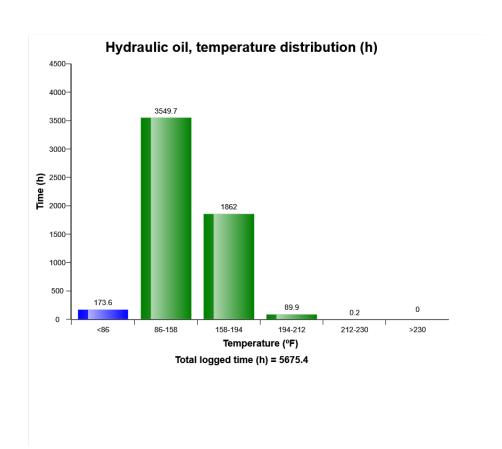
The extreme value column displays the most extreme value during the event.

Criteria:

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



Machine model	SerialNo	Operating Hours	Reading Date
A40G	340446	5670.2	31/12/2019



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
A40G	340446	5670.2	31/12/2019

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

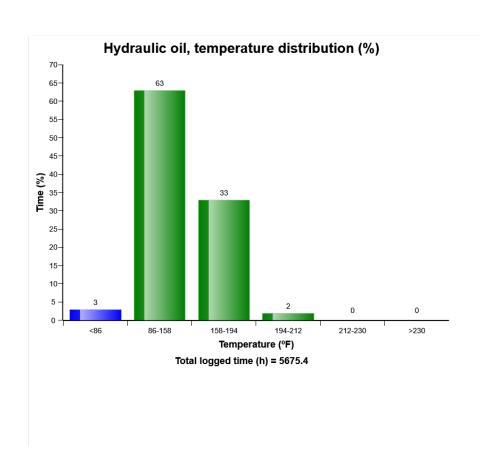
Yellow bar = High working temperature. It is normal to have some registrations in this region.

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
A40G	340446	5670.2	31/12/2019



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
A40G	340446	5670.2	31/12/2019

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.

