

# VOLVO CONSTRUCTION EQUIPMENT MATRIS REPORT

Machine model <b>A40G</b>	SerialNo <b>342125</b>	Operating Hours <b>6132.6</b>	Reading Date <b>14/08/2019</b>
Company name <b>Ascendum</b>	Dealer	Report Issuer	
Contact name	Technician <b>James Wilcox</b>	Primary Application <b>Sand, gravel and pebble</b>	
Site	Workorder	Ground Condition	

MATRIS Reading, Summary / Recommendation

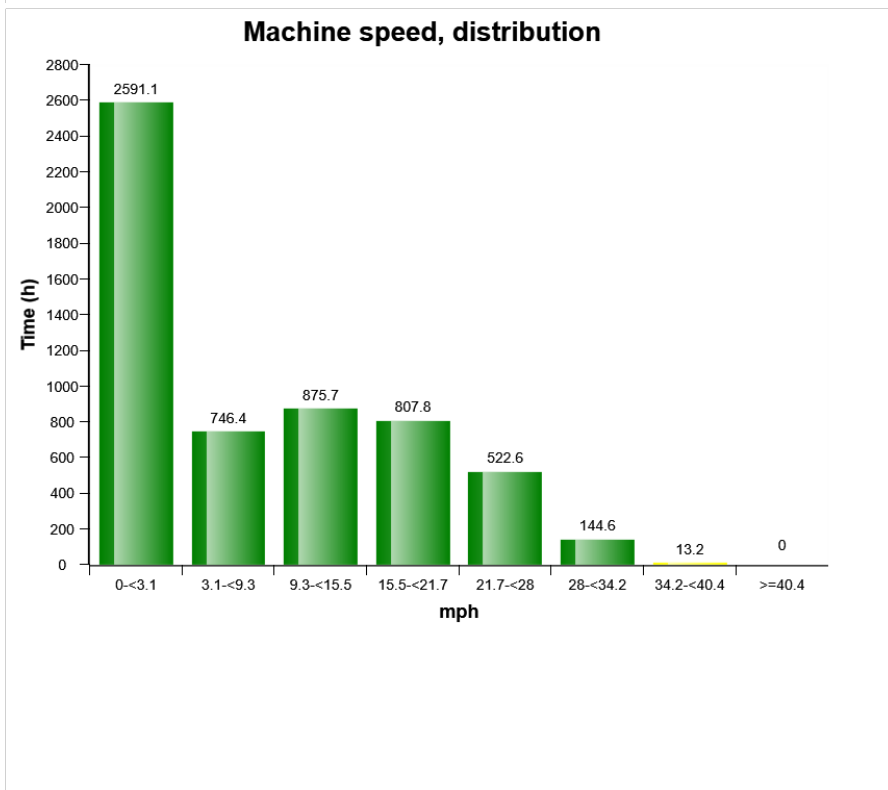
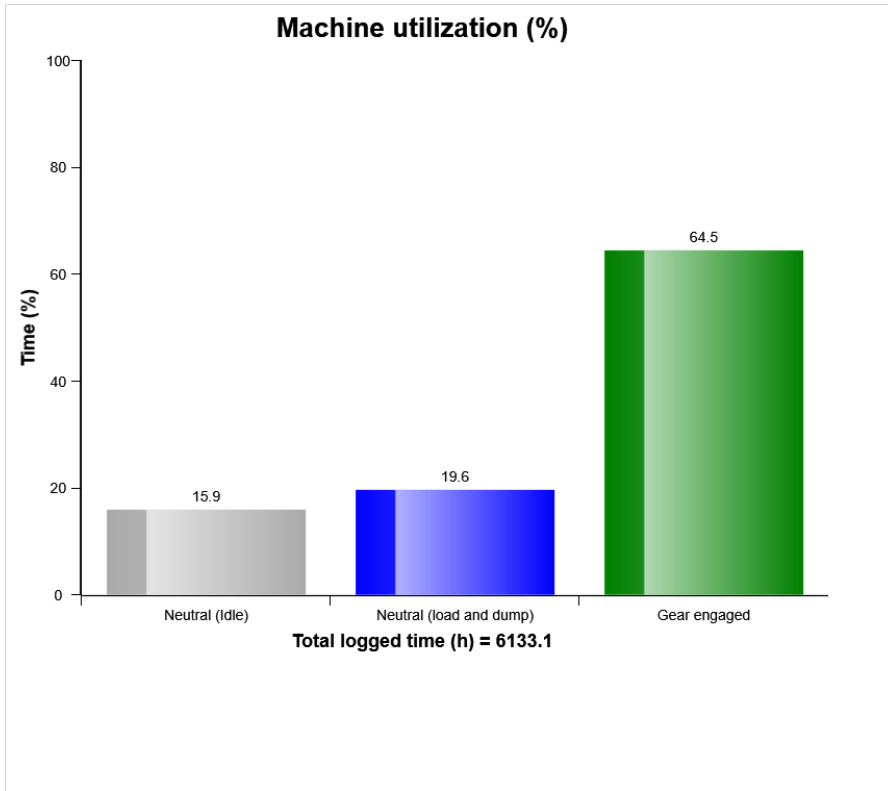


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A40G	342125	6132.6	14/08/2019

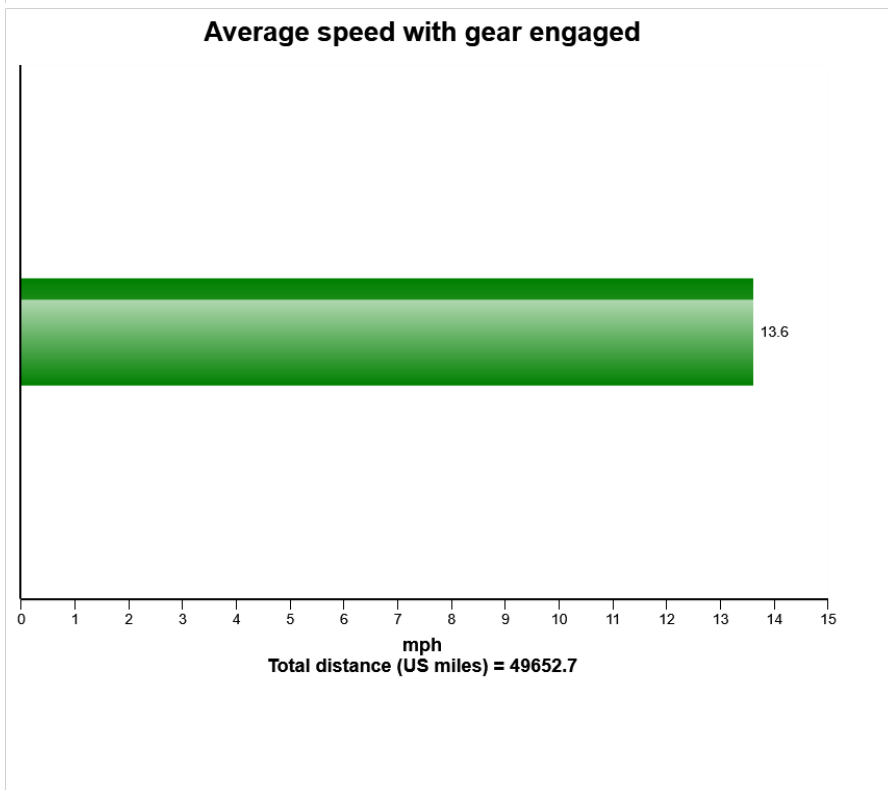
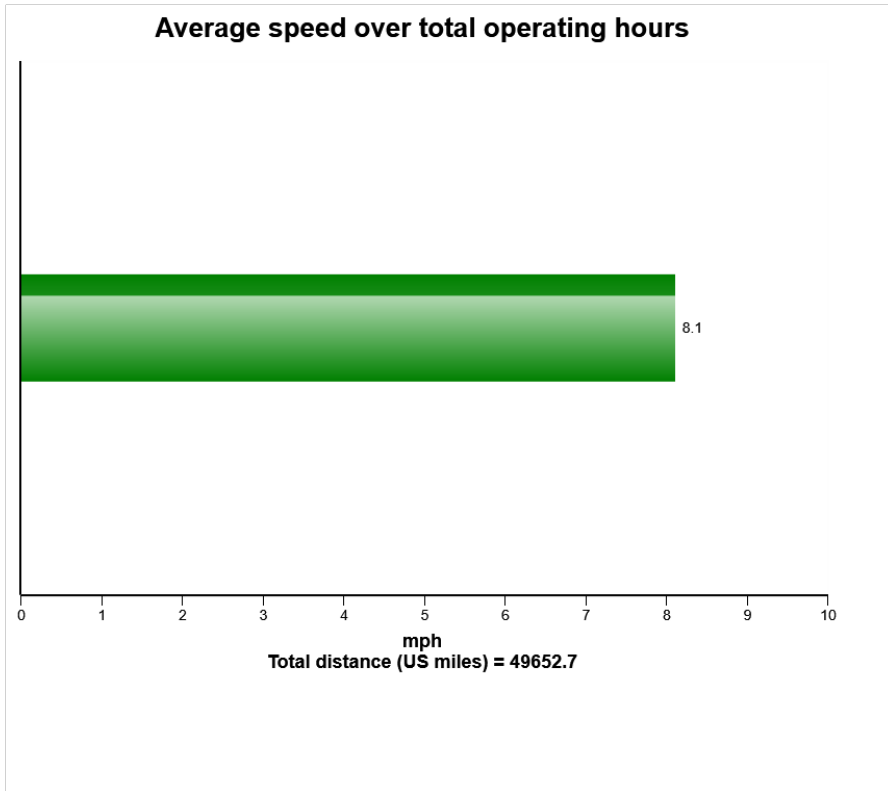
Main equipment	Type	Equipment
	Tyre size/class	Sold without tyres
	Body extensions	Not mounted
	Tail-gate	Not mounted
	Extra spillguard	Not mounted
	Wear plates	Not mounted
	Pattern	None



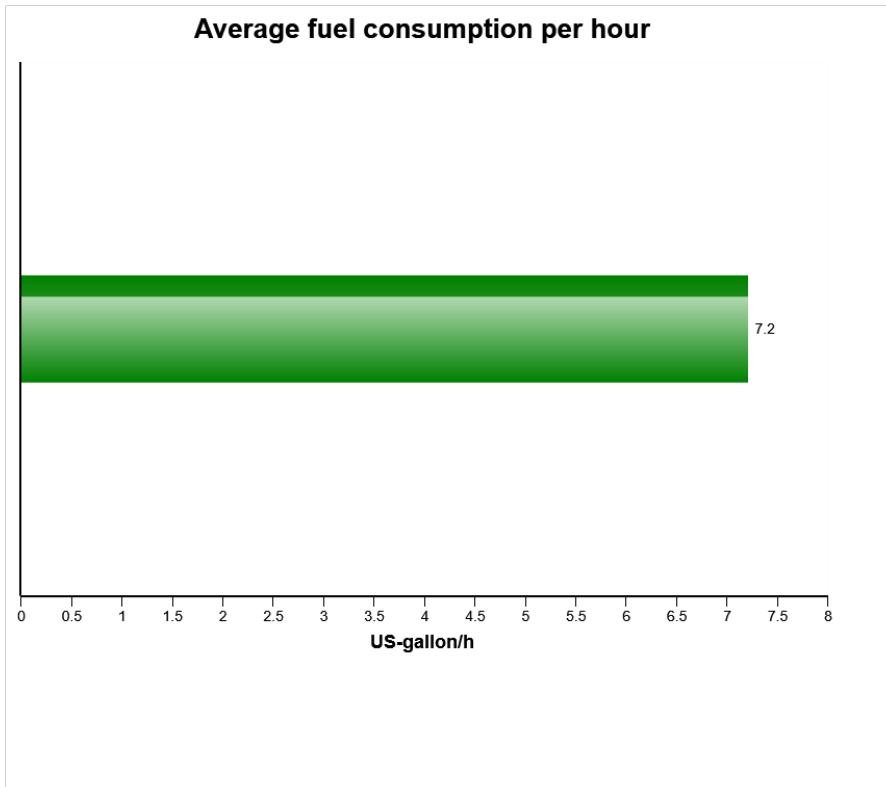
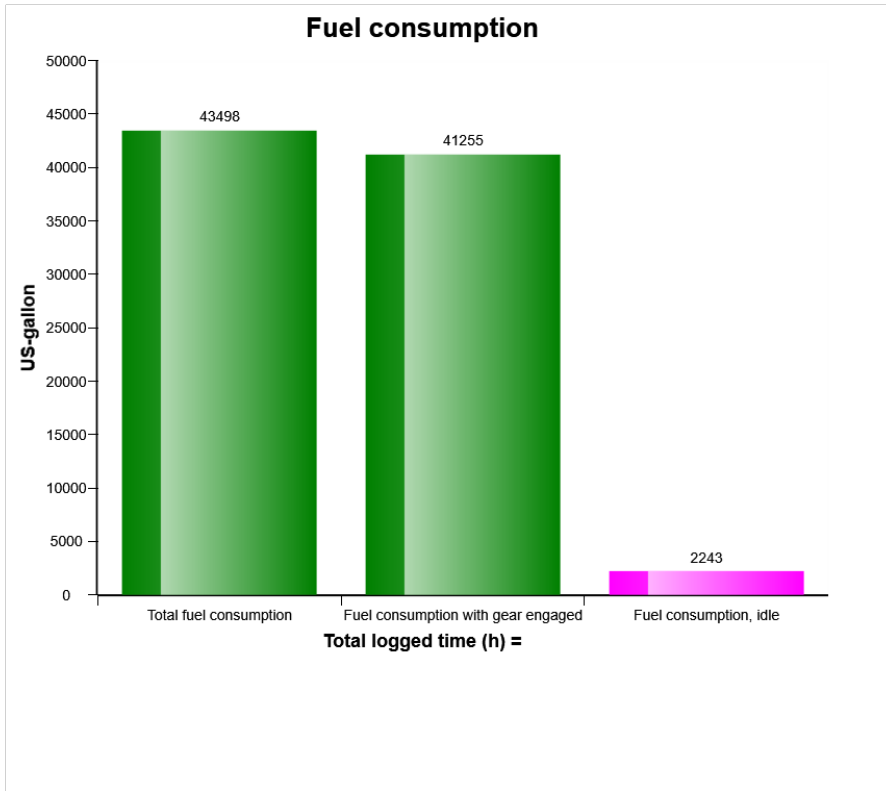
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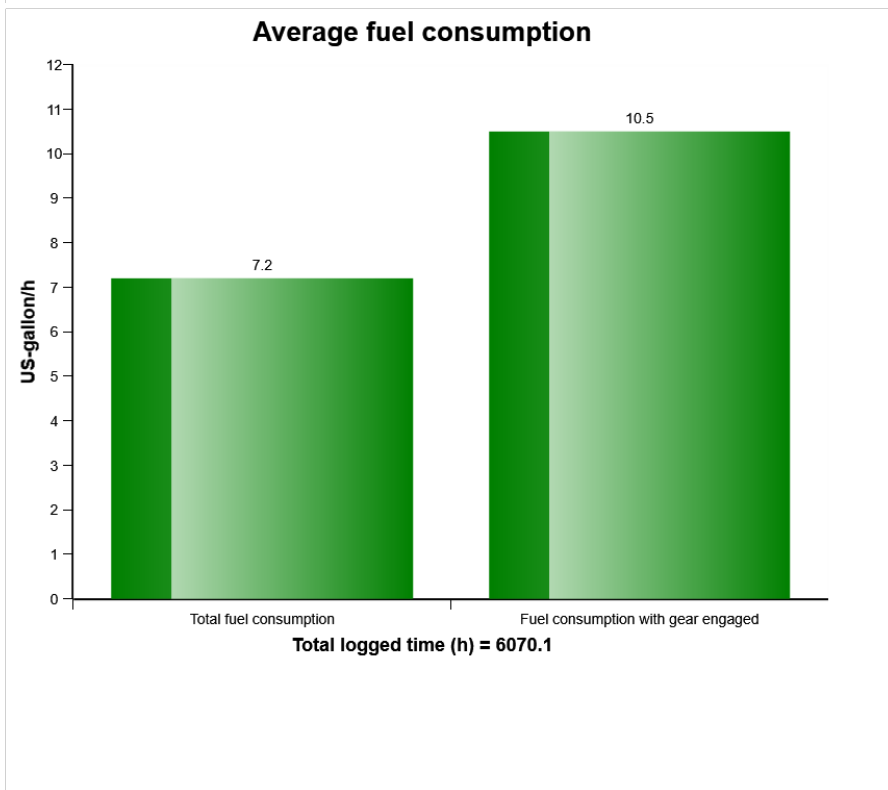
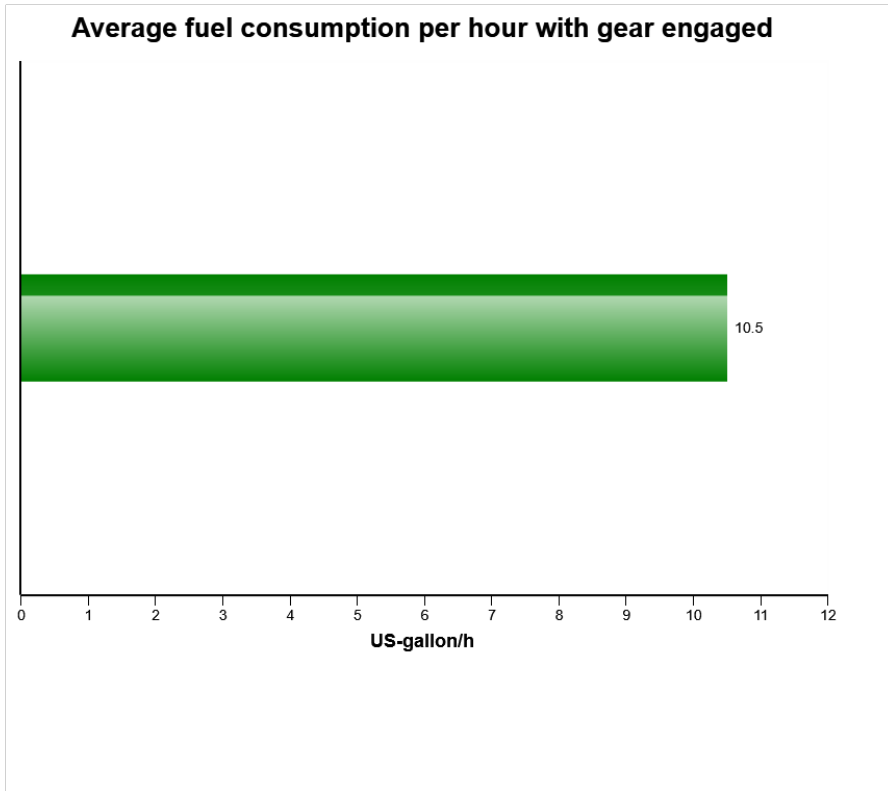
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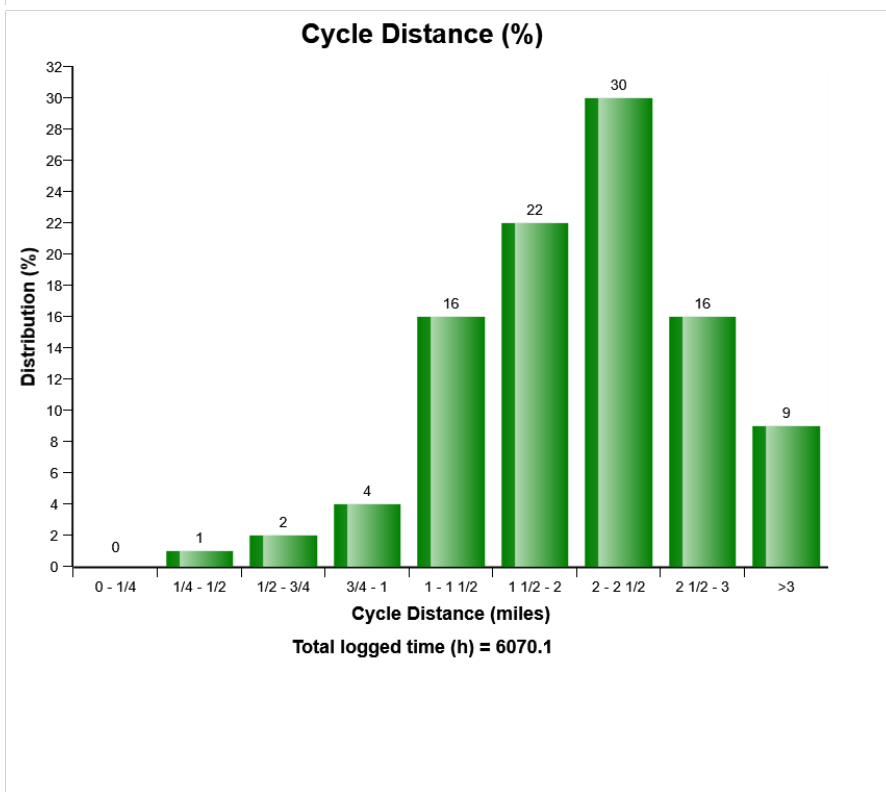
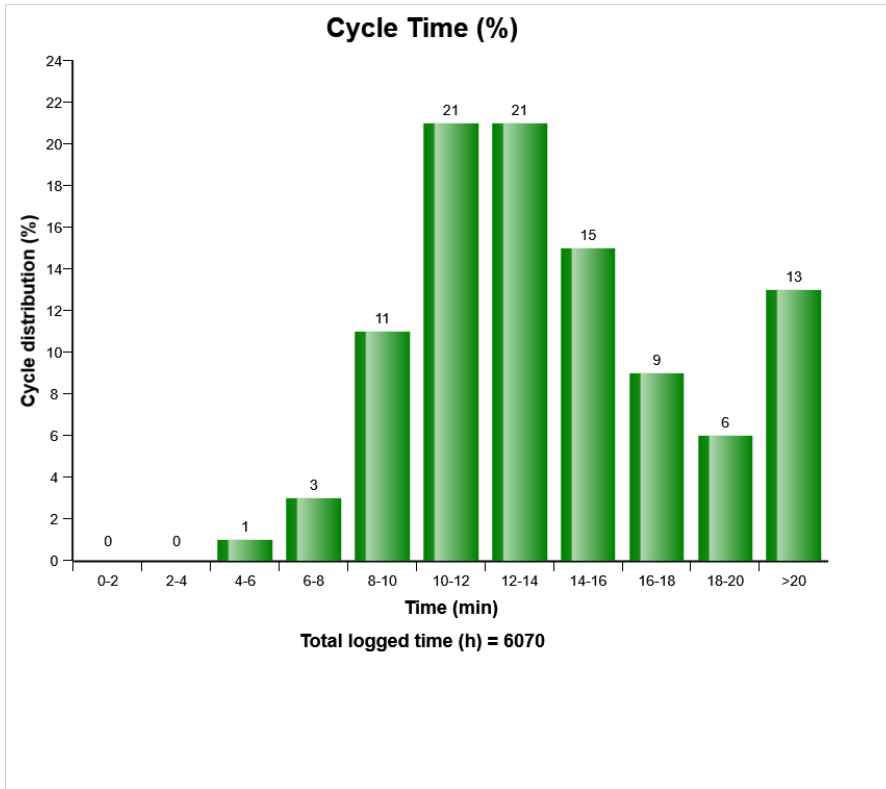
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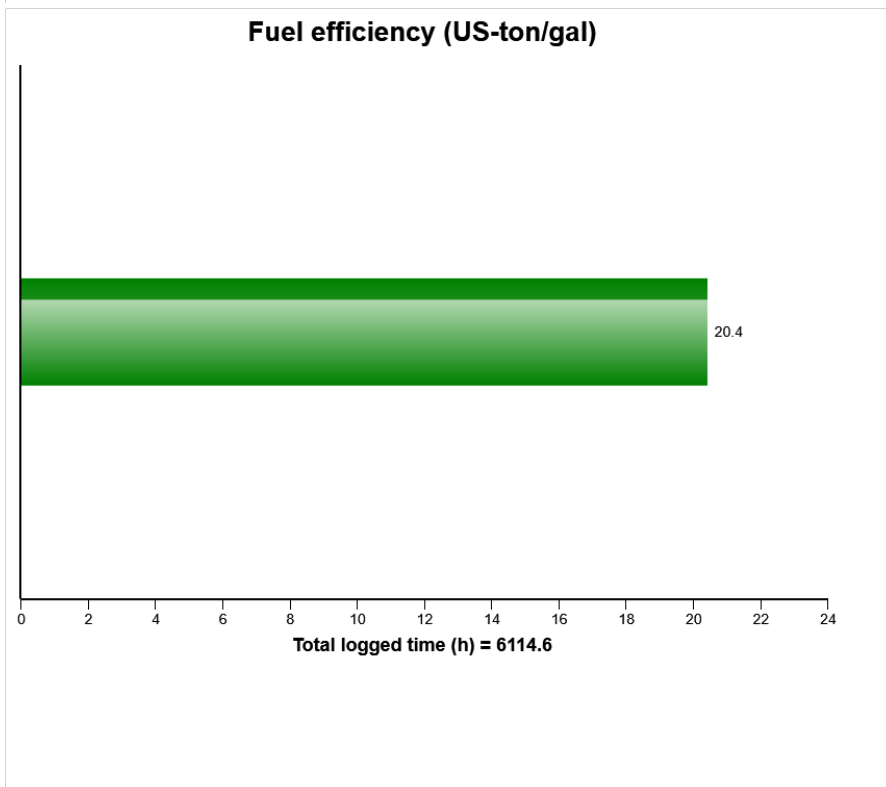
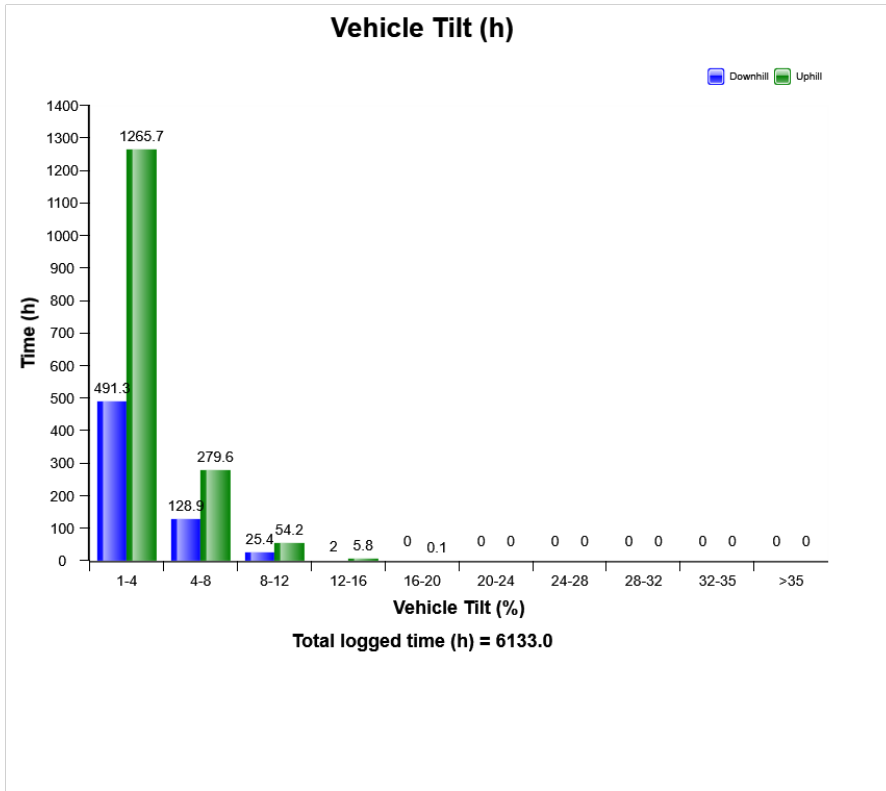
**Accumulated performance**  
**Total logged time (h) =**

<b>Total logged time (h) =</b>	6114.6
<b>Fuel consumption (US-gallons)</b>	43510
<b>Production (ton,US)</b>	889555
<b>Ton/h</b>	145.5
<b>Ton/gal</b>	20.4
<b>Fuel efficiency (US Gal/ton)</b>	0.05
<b>Number of cycles</b>	21921
<b>Cycles overloaded (%)</b>	7
<b>Load utilisation / cycle (%)</b>	94

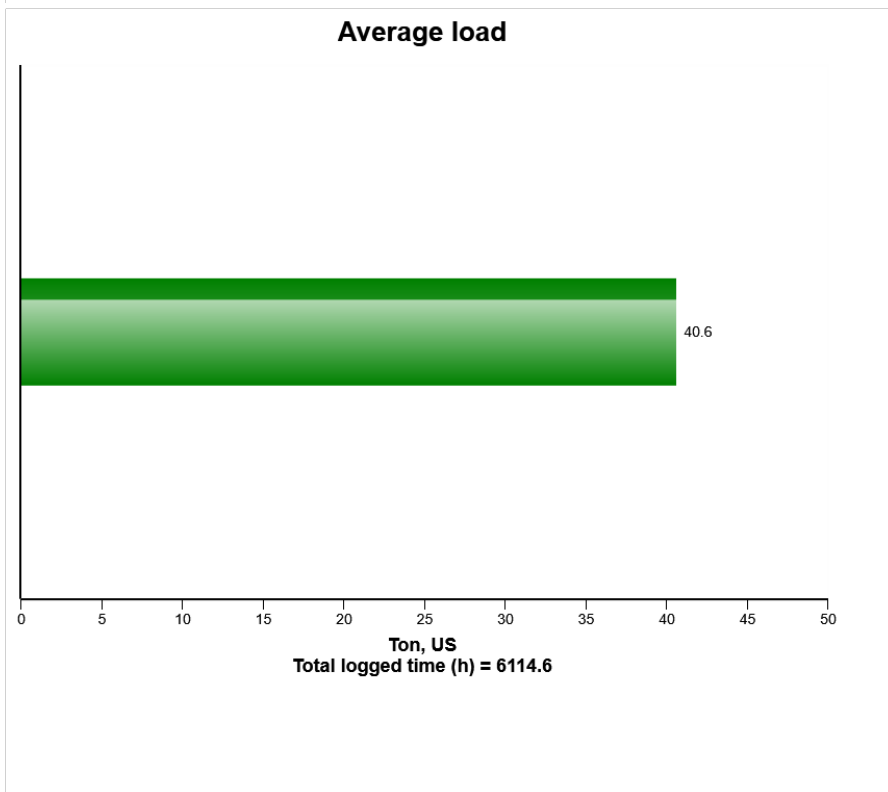
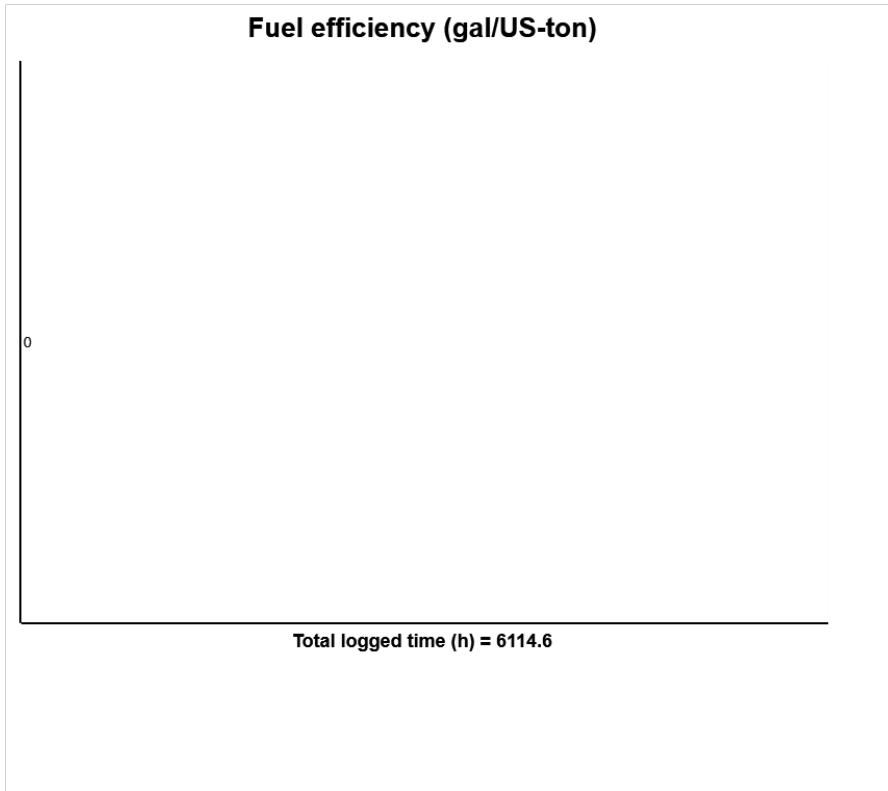




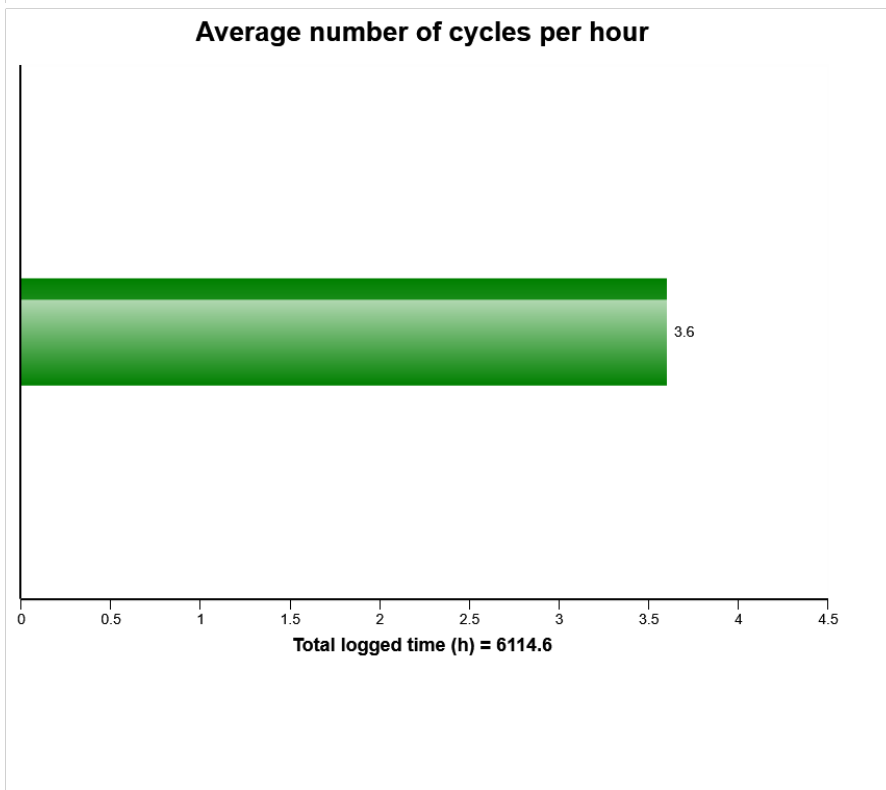
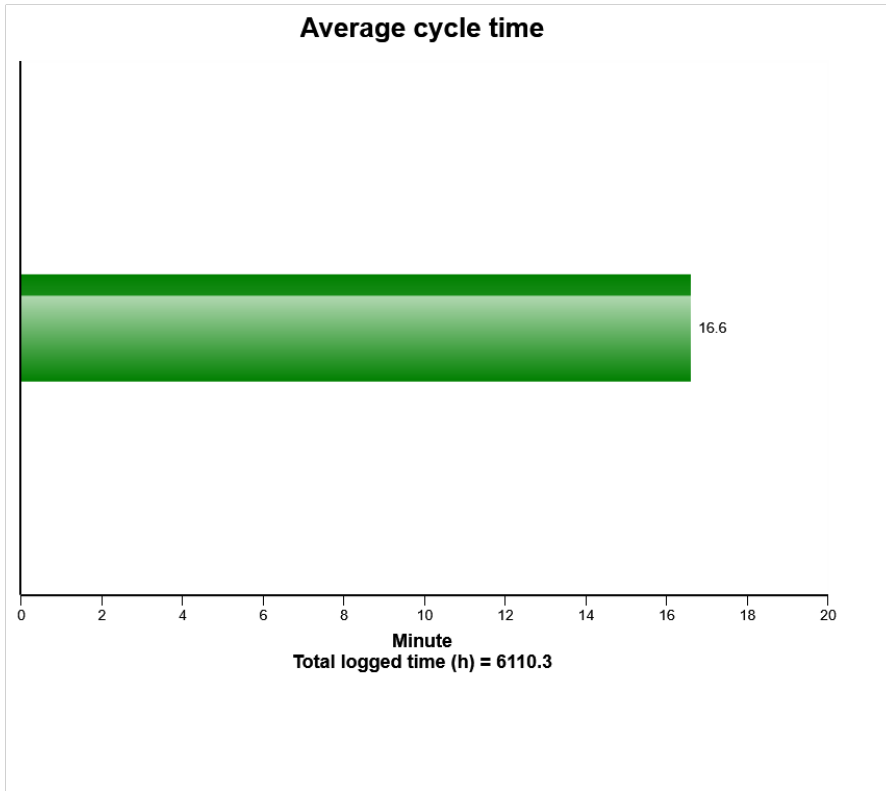
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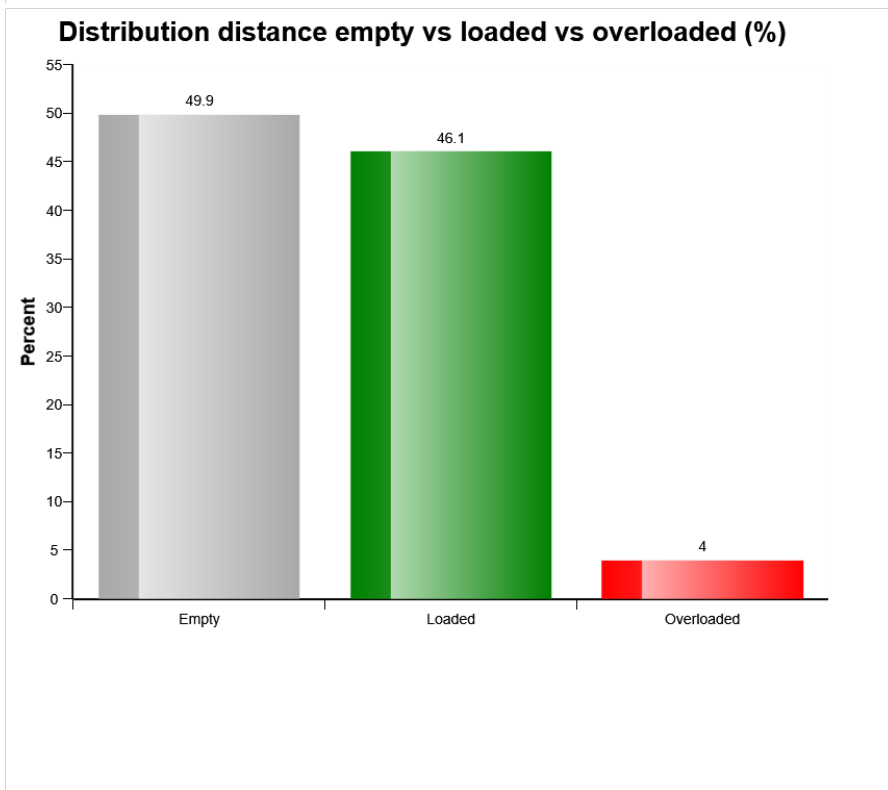
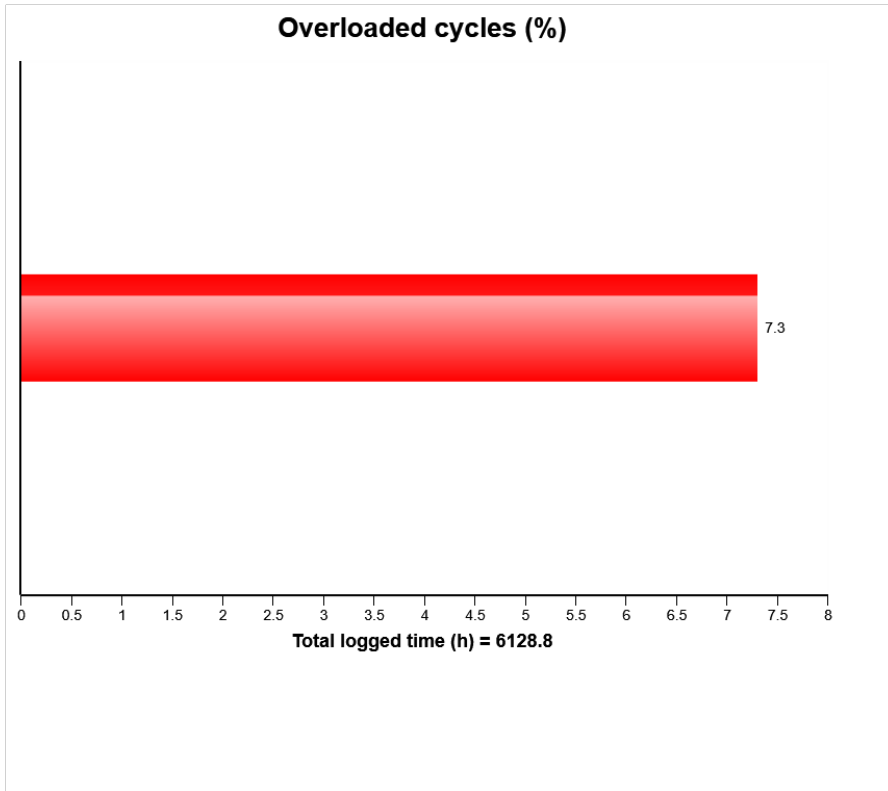
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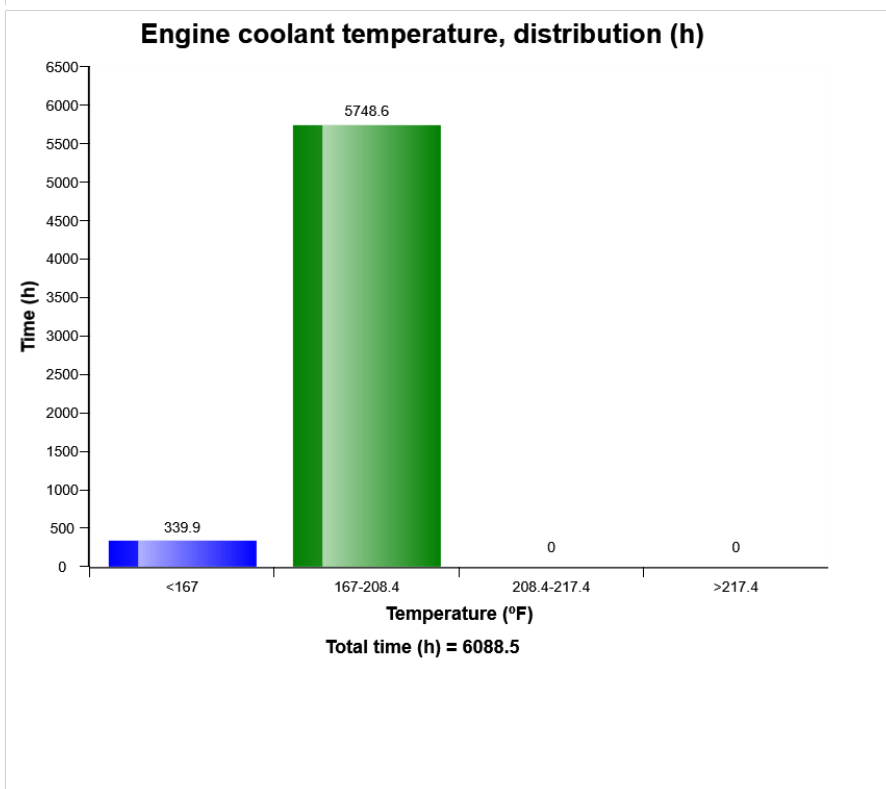
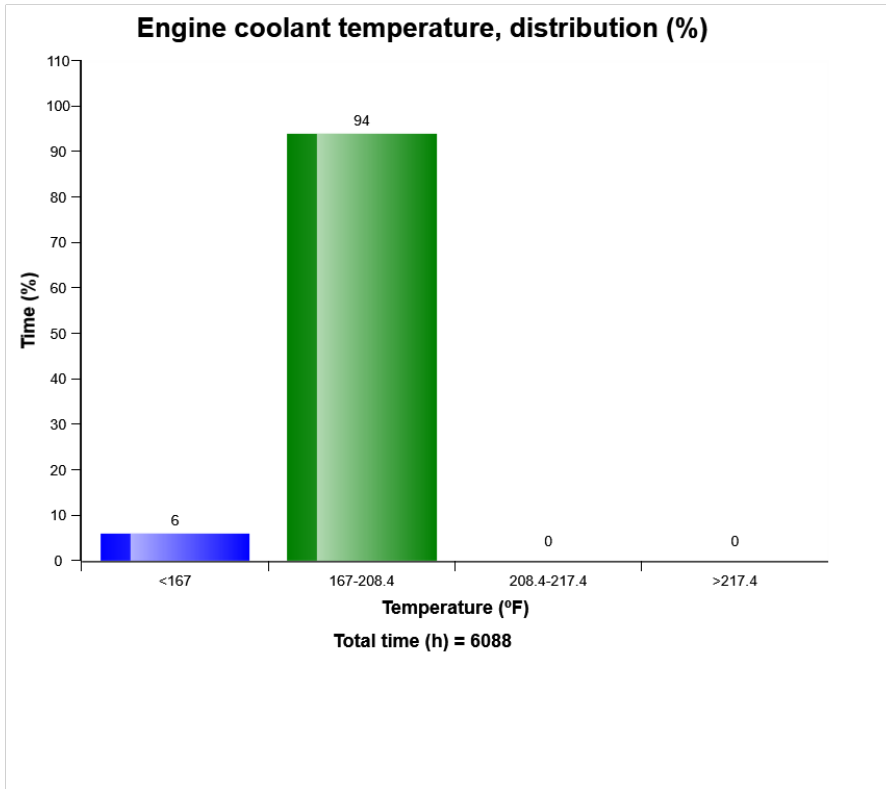
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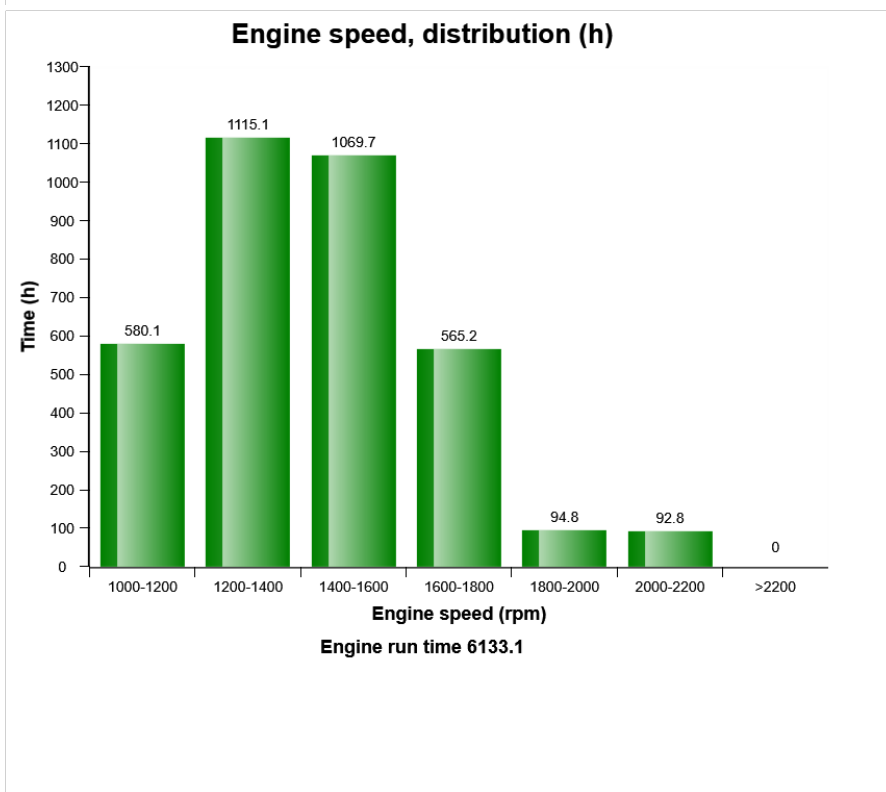
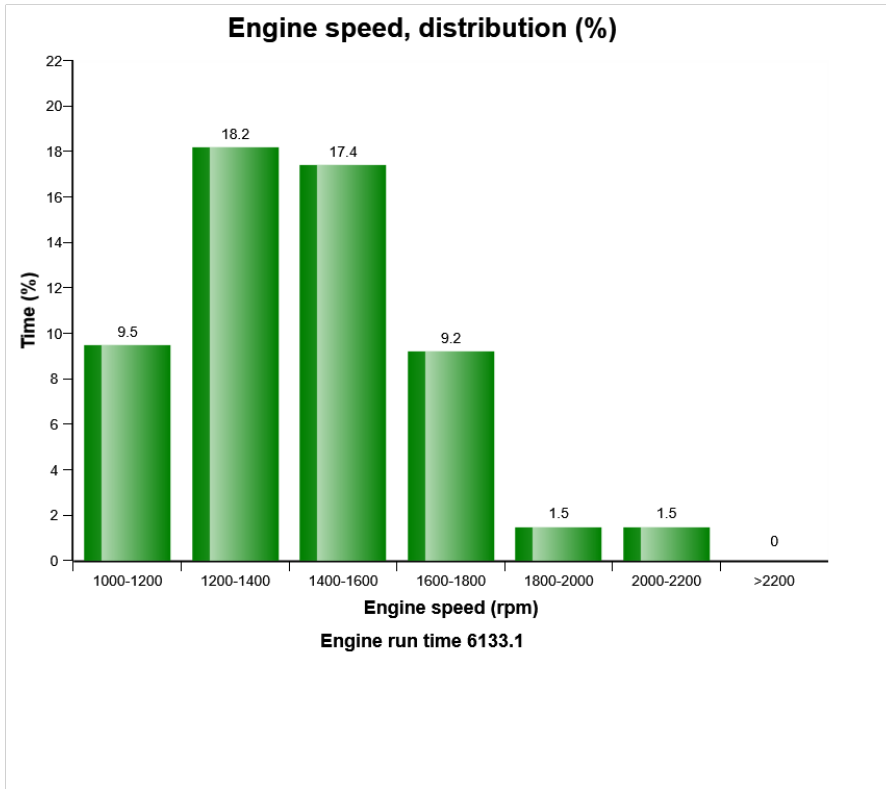
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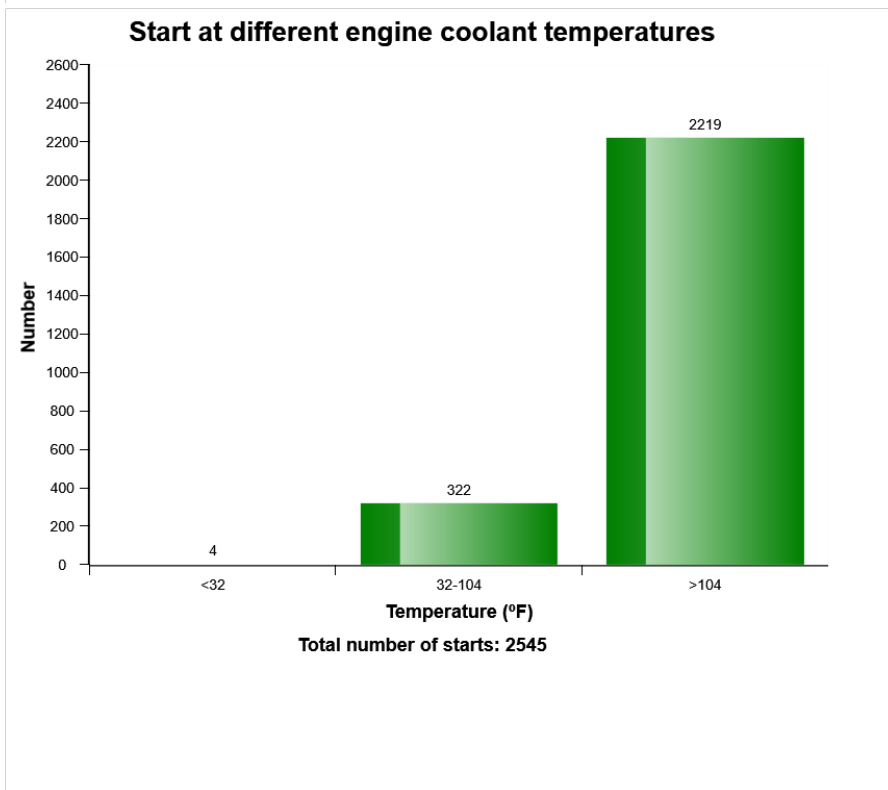
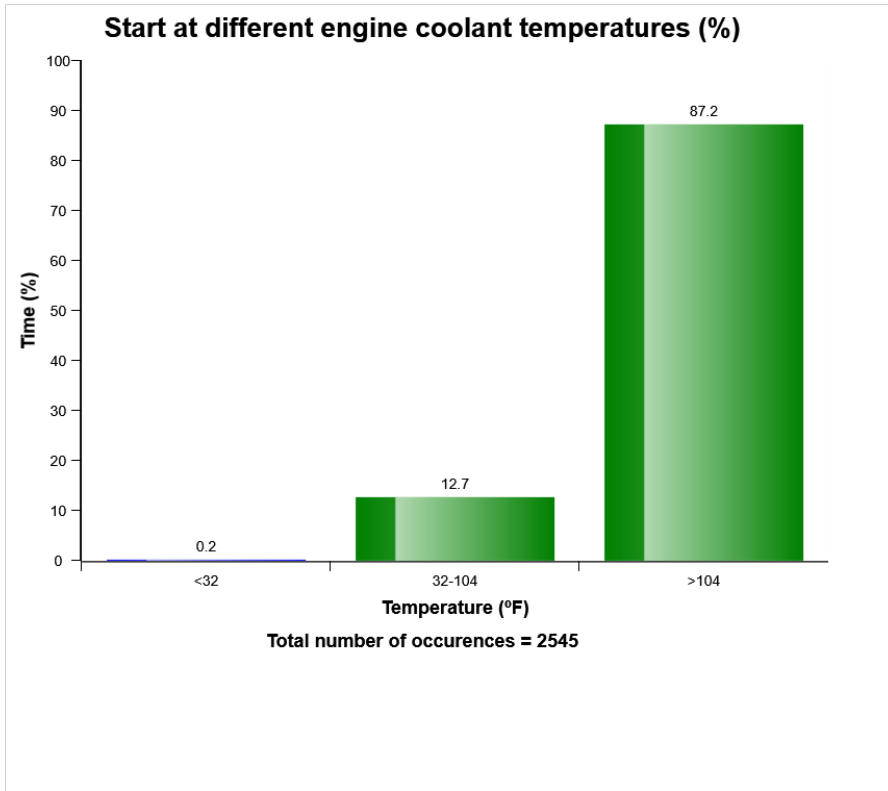
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**High engine coolant temperature  
Total number of occurrences = 0**

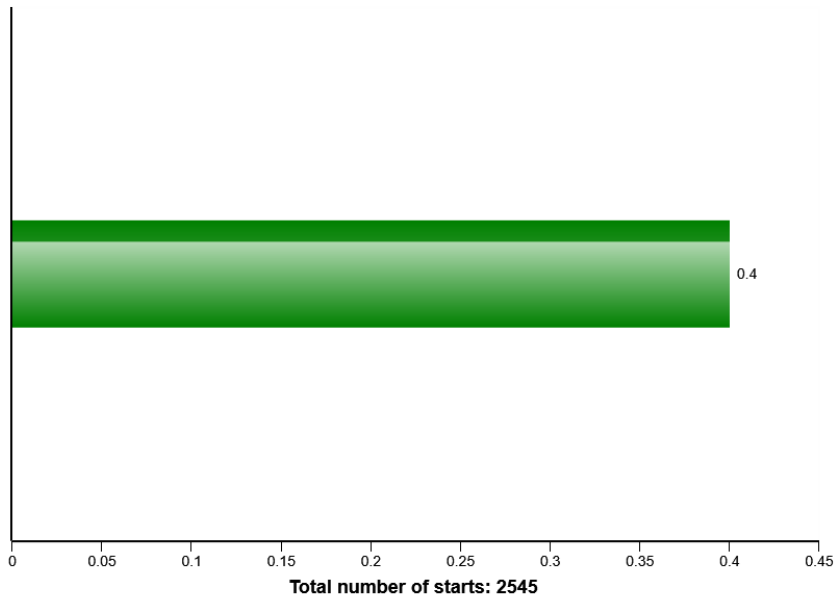
	Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme (° F)
<b>A</b>	0	2000	0	0	0	0	0	32
<b>B</b>	0	2000	0	0	0	0	0	32
<b>C</b>	0	2000	0	0	0	0	0	32
<b>D</b>	0	2000	0	0	0	0	0	32
<b>E</b>	0	2000	0	0	0	0	0	32
<b>F</b>	0	2000	0	0	0	0	0	32
<b>G</b>	0	2000	0	0	0	0	0	32
<b>H</b>	0	2000	0	0	0	0	0	32
<b>I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



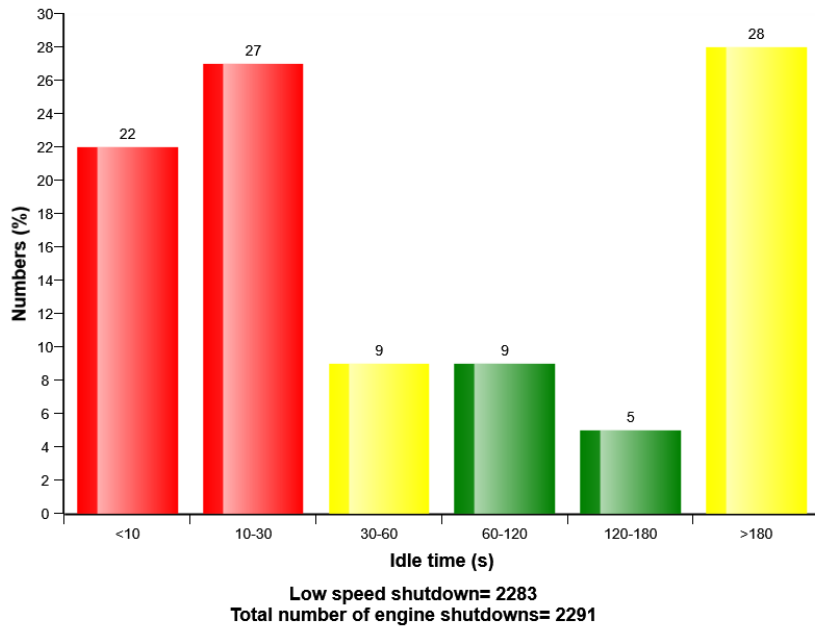


Machine model	SerialNo	Operating Hours	Reading Date
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### Average number of starts per hour



### Idle time before shut down (%)



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**High engine oil temperature**  
**Total number of occurrences = 0**

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







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**Regeneration ignored**  
**Total number of ignored regenerations 24**

	Op hours	Year	Month	Day	Hour	Minute	Duration (min)
*	5526	2018	10	30	8	5	14
*	5527	2018	10	31	10	29	3
*	5527	2018	11	1	15	45	5
*	5527	2018	11	1	8	39	1
*	5527	2018	10	31	6	50	1
*	5527	2018	10	31	7	13	0
*	5527	2018	10	31	7	14	2
*	5527	2018	10	31	8	40	1
*	5527	2018	11	1	8	35	1
*	5527	2018	10	31	10	32	6
*	5527	2018	10	31	10	40	8
*	5527	2018	11	1	7	24	3
*	5527	2018	11	1	7	27	6
*	5535	2018	11	9	19	50	10
*	5541	2018	11	10	17	58	4
*	5541	2018	11	13	9	7	9
*	5541	2018	11	10	18	24	0
*	5541	2018	11	10	18	2	21
*	5541	2018	11	10	17	46	1
*	5541	2018	11	10	17	46	2



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**Regeneration aborted**  
**Total number of occurrences = 14**

Op hours	Year	Month	Day	Hour	Minute	Reason
0	2000	0	0	0	0	0
0	2000	0	0	0	0	0
0	2000	0	0	0	0	0
0	2000	0	0	0	0	0
0	2000	0	0	0	0	0
0	2000	0	0	0	0	0
499	2017	8	25	2	35	1
2007	2018	1	10	11	26	1
2851	2018	3	14	1	4	1
2856	2018	3	14	10	43	1
2864	2018	3	14	19	46	1
2865	2018	3	14	21	37	1
4295	2018	7	1	23	25	1
4403	2018	7	7	11	16	1
4452	2018	7	10	8	52	1
4486	2018	7	12	15	32	1
4509	2018	7	13	19	48	1
4544	2018	7	15	15	34	1
4706	2018	8	1	2	13	1
5541	2018	11	10	17	41	1



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**Regeneration duration**  
**Total number of occurrences = 72**

Op hours	Year	Month	Day	Hour	Minute	Duration (min)
4550	2018	7	16	6	20	31
4555	2018	7	16	11	49	33
4570	2018	7	17	11	54	28
4585	2018	7	18	8	25	46
4598	2018	7	18	22	48	47
4613	2018	7	20	0	56	50
4705	2018	8	1	1	27	46
4966	2018	8	25	7	29	37
5467	2018	10	12	8	16	38
5522	2018	10	24	6	33	23
5523	2018	10	29	13	21	65
5526	2018	10	30	7	44	19
5526	2018	10	30	7	19	23
5527	2018	11	9	11	26	51
5533	2018	11	9	17	59	67
5534	2018	11	9	19	21	22
5535	2018	11	9	20	0	41
5541	2018	11	13	9	16	65
5541	2018	11	10	17	30	11
5976	2019	1	9	22	57	51





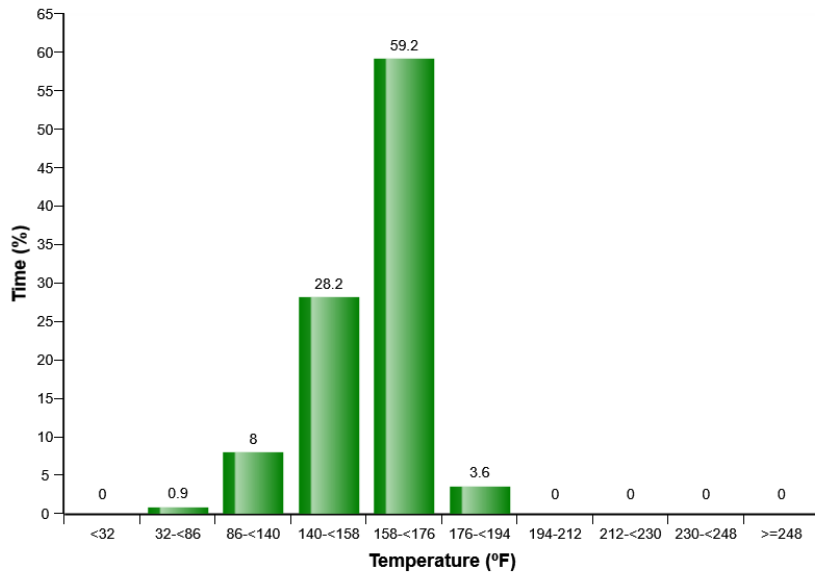




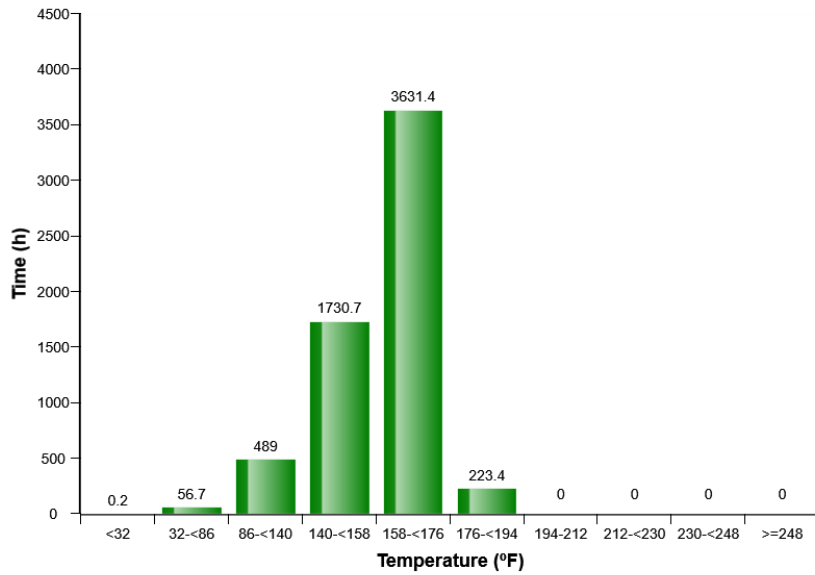


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**Transmission oil, temperature distribution (%)**

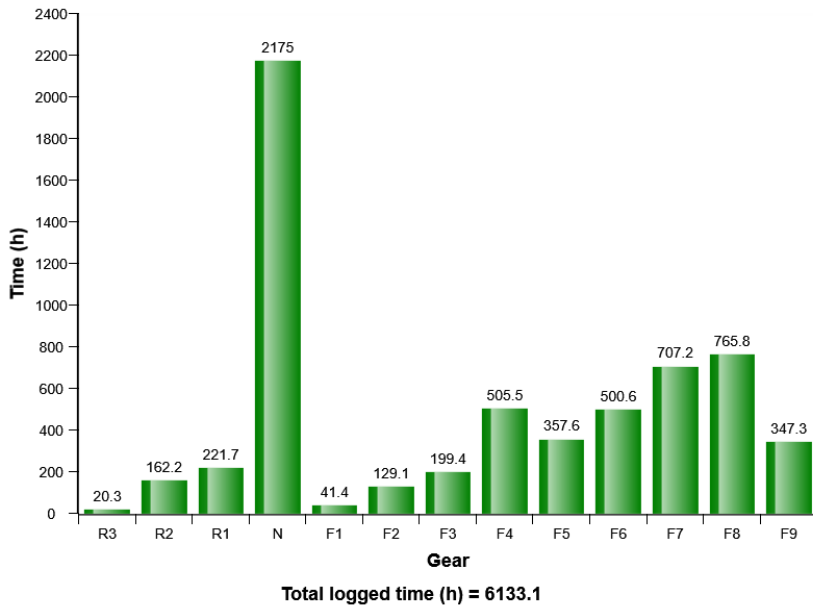


**Transmission oil, temperature distribution (h)**

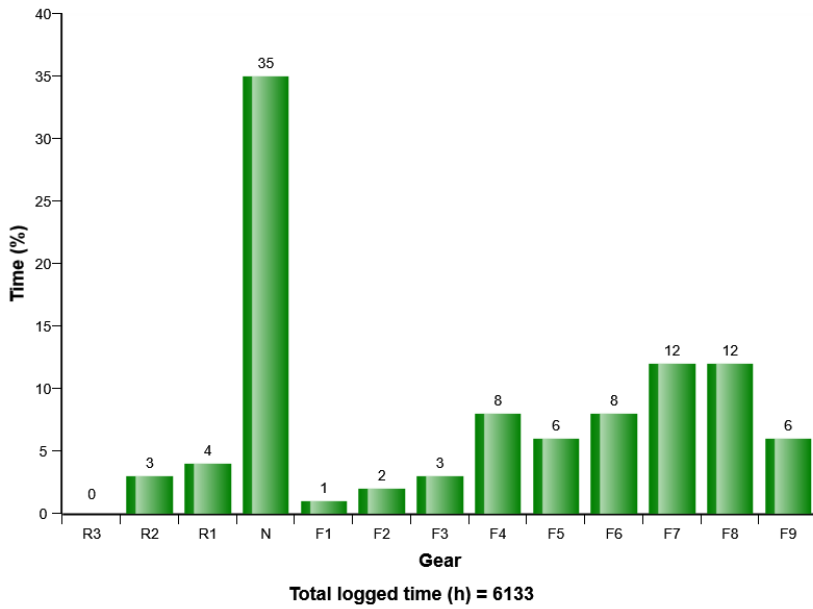


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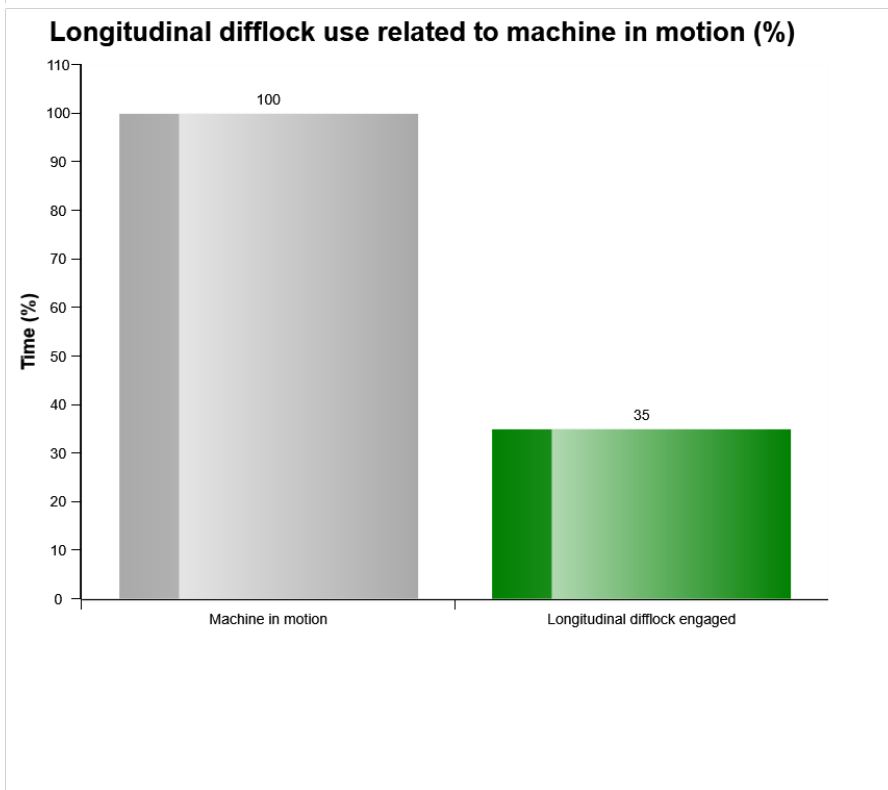
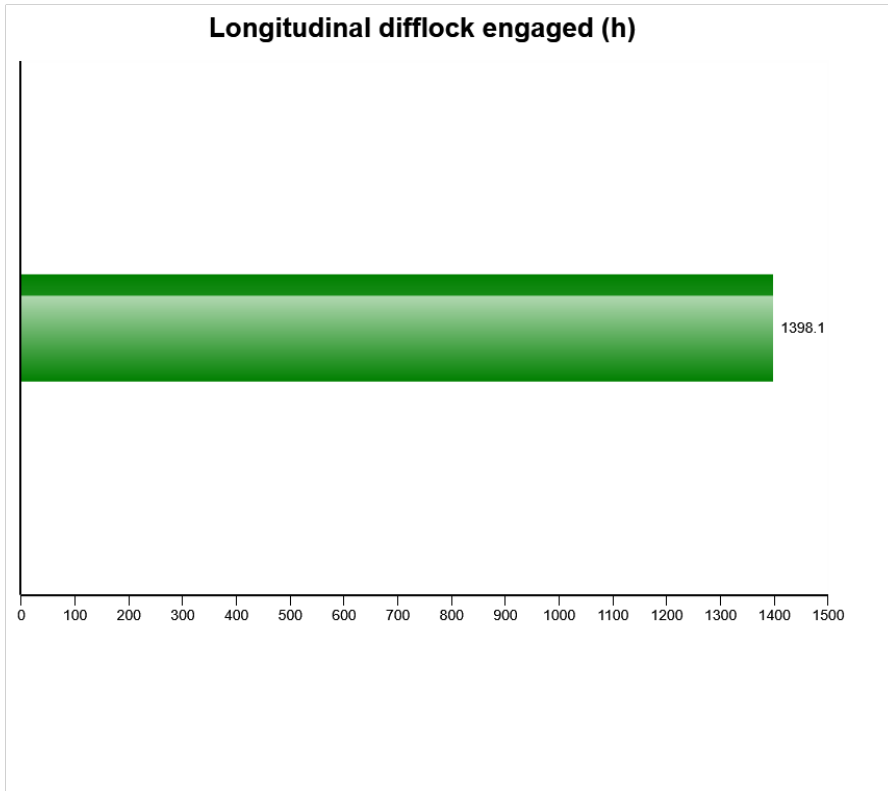
**Gears, time distribution (h)**



**Gears, time distribution (%)**



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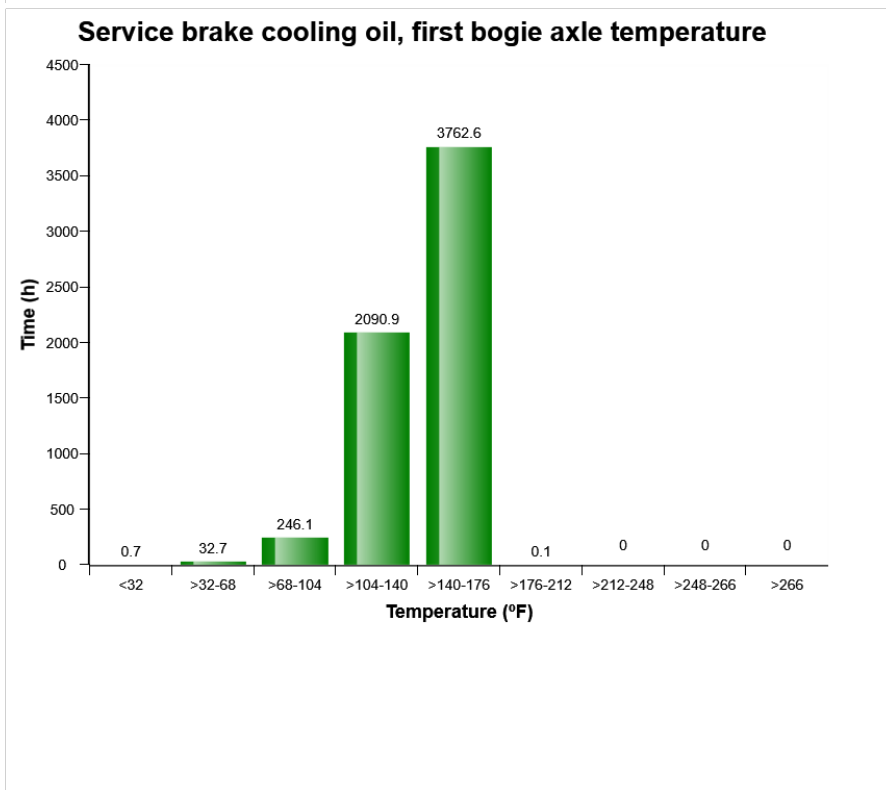
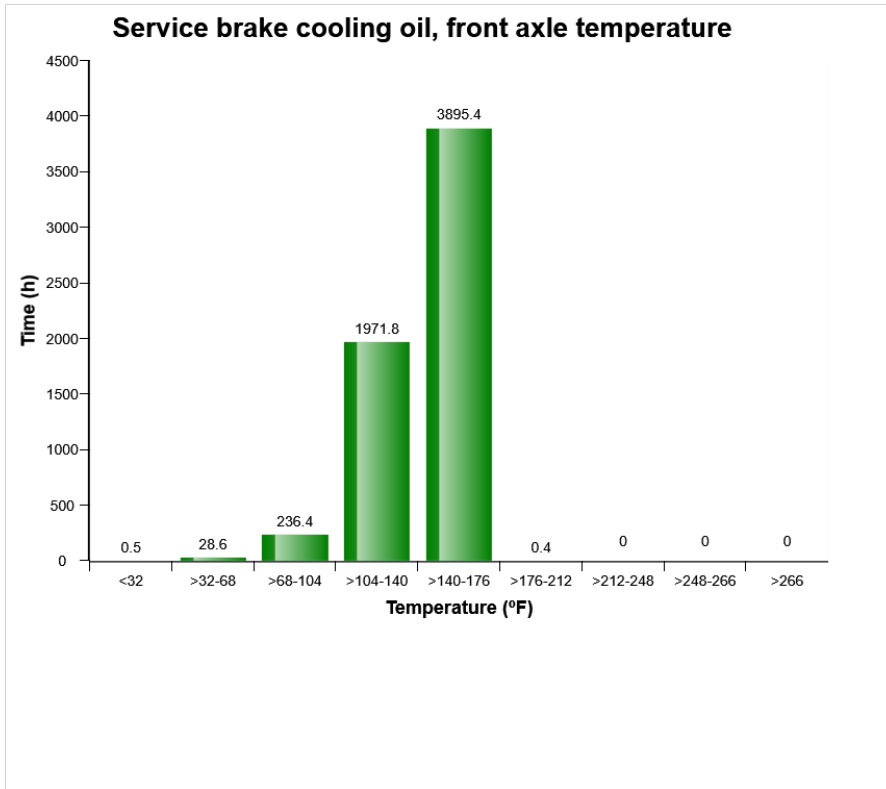
Machine model	SerialNo	Operating Hours	Reading Date
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**Transmission oil pressure low  
Total number of occurrences = 41**

Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme (psi)
1263	2017	10	16	13	0	10	17
1263	2017	10	20	13	26	130	15
1263	2017	10	20	13	24	20	49
1263	2017	10	17	13	1	20	22
1263	2017	10	17	12	42	0	30
1263	2017	10	17	12	39	60	20
1263	2017	10	16	13	1	10	17
1263	2017	10	23	9	42	10	20
1263	2017	10	16	12	39	0	16
1263	2017	10	16	12	38	10	16
1263	2017	10	16	12	35	10	17
1263	2017	10	16	12	33	10	20
1263	2017	10	16	12	21	20	9
1263	2017	10	16	12	18	40	6
1263	2017	10	16	12	17	40	4
1263	2017	10	16	12	16	0	7
1263	2017	10	20	13	29	170	6
1263	2017	10	23	9	40	40	17
2916	2018	3	17	10	43	10	347
3769	2018	5	23	11	24	0	16

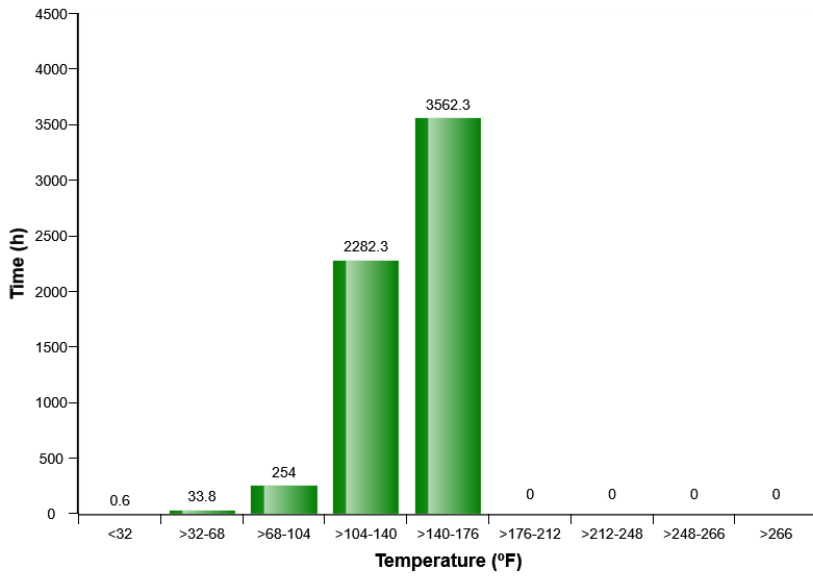


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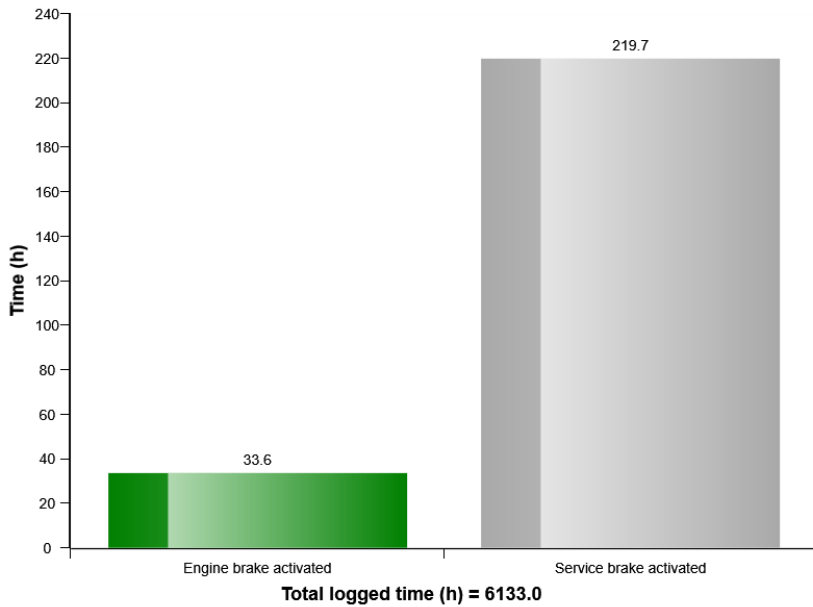


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### Service brake cooling oil, second bogie axle temperature



### Brake Usage (h)





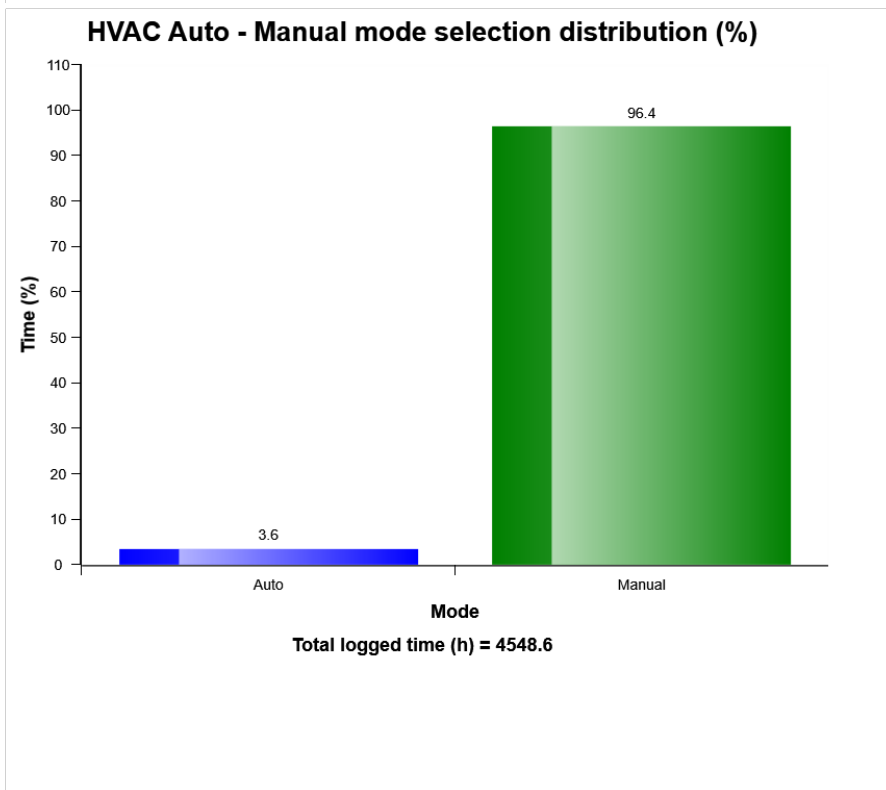
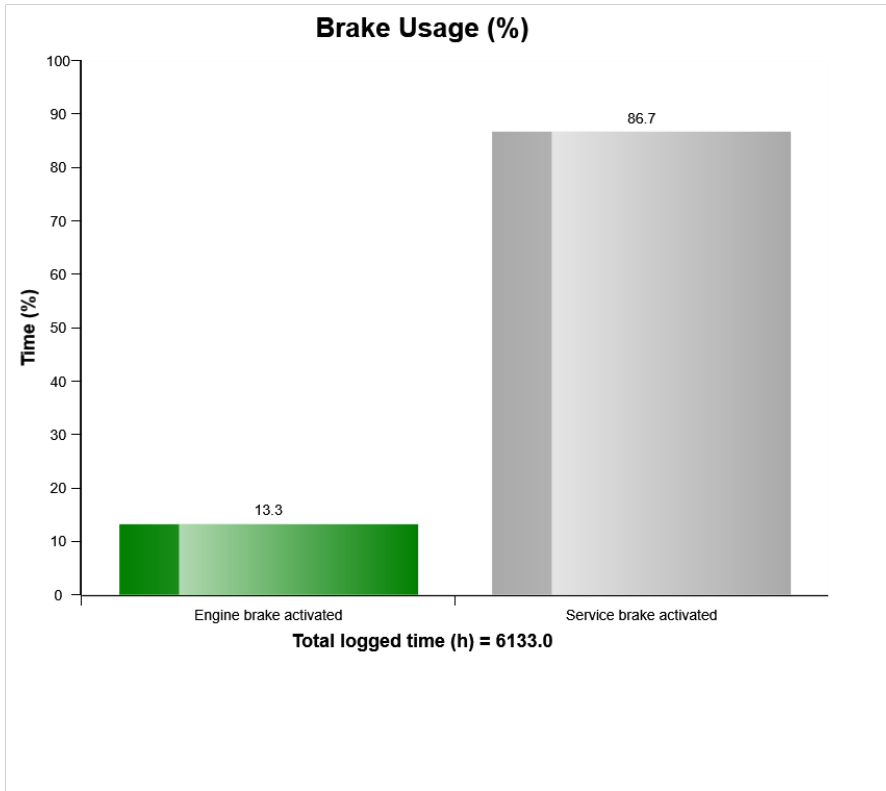
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**Low Brake Servo Pressure**  
**Total number of occurrences = 6**

	Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme (psi)
<b>A</b>	0	2017	6	12	8	4	0	440
<b>B</b>	0	2017	6	16	11	36	0	1599
<b>G</b>	0	2000	0	0	0	0	0	0
<b>H</b>	0	2000	0	0	0	0	0	0
<b>I</b>	0	2000	0	0	0	0	0	0
<b>J</b>	0	2000	0	0	0	0	0	0
<b>C</b>	3779	2018	5	24	8	8	1	2052
<b>D</b>	5561	2018	10	25	11	36	2	1934
<b>E</b>	5735	2018	12	5	9	10	1	1897
<b>F</b>	6131	2019	6	15	12	22	3	1686

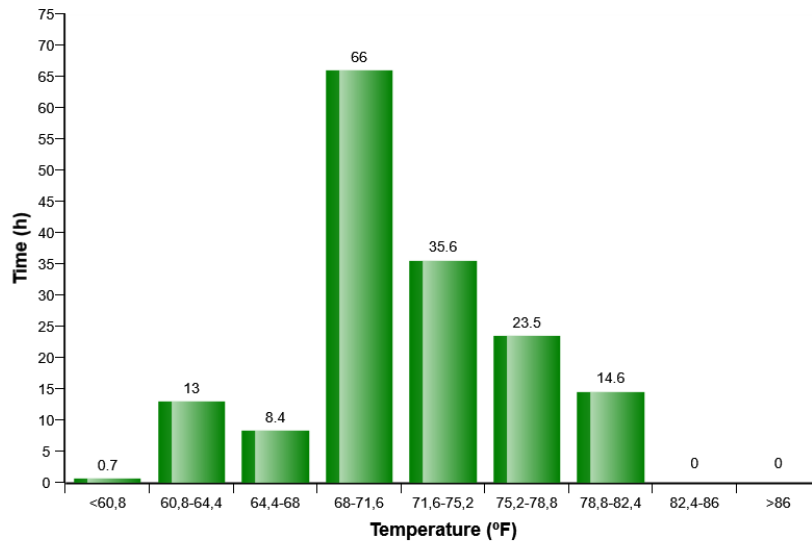


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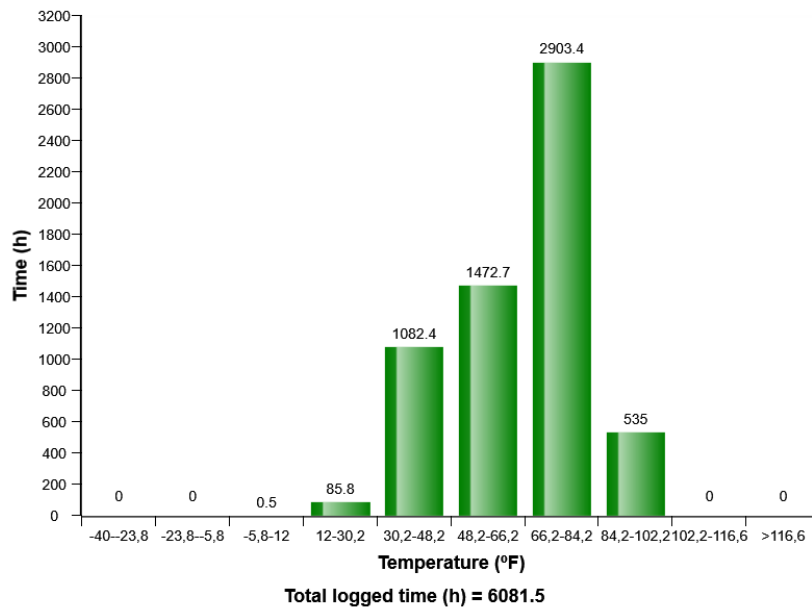


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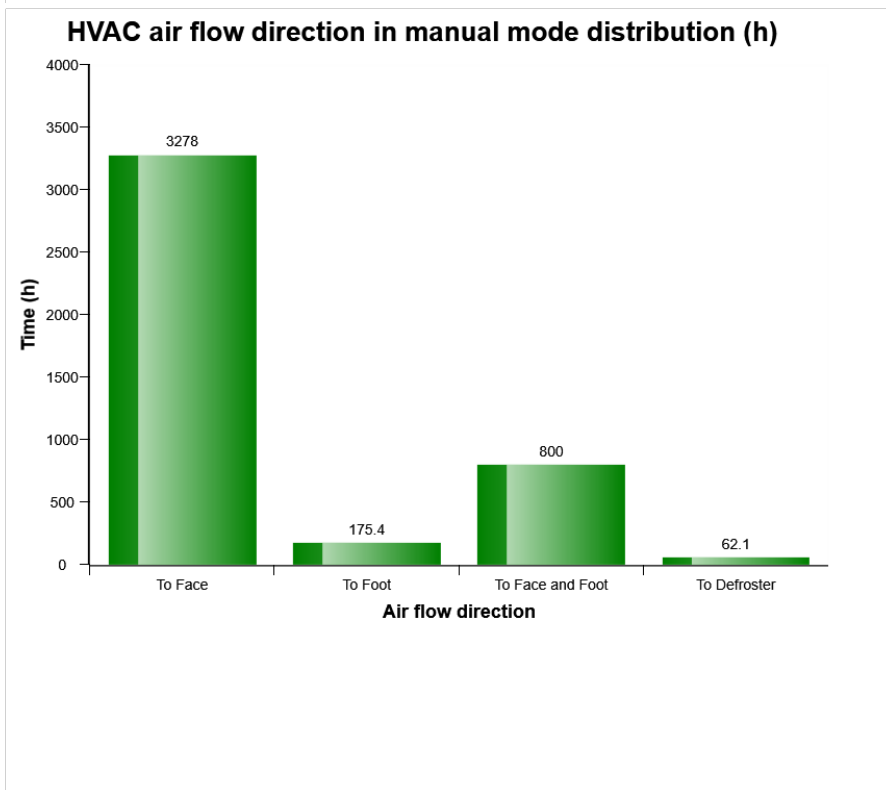
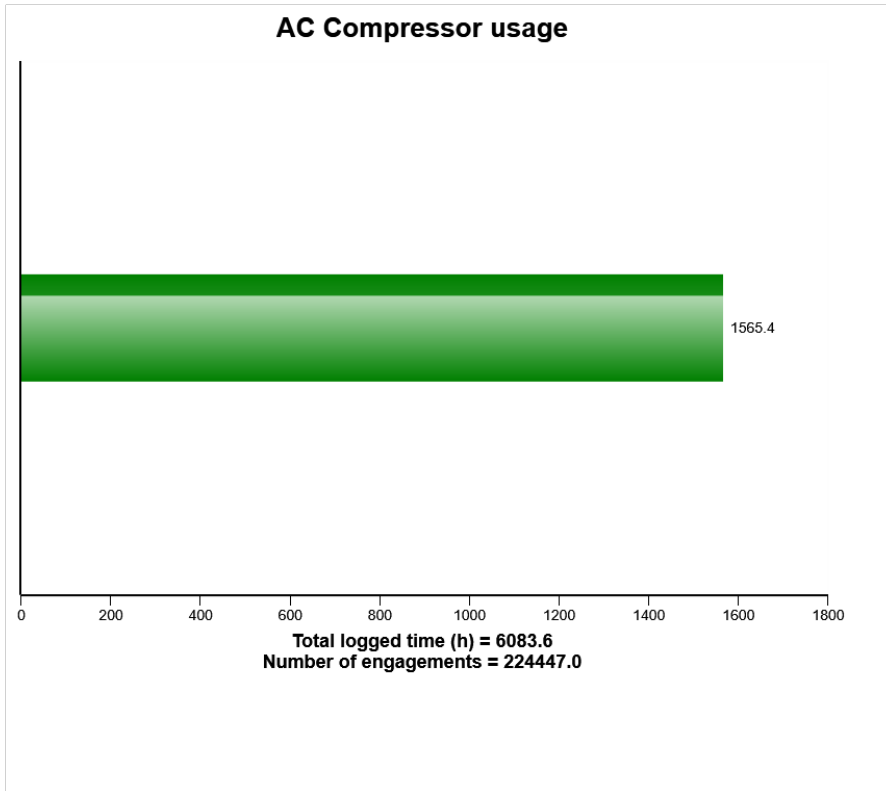
### HVAC air temperature setting in auto control mode distribution (h)



### Machine ambient temperature distribution (h)



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**AC High Pressure**  
**Total number of occurrences = 126**

Op hours	Year	Month	Day	Hours	Minute	Duration (sec)	Extreme (° F)
5290	2018	9	26	15	34	24	82
5323	2018	9	28	10	13	14	81
5324	2018	9	28	11	22	38	81
5324	2018	9	28	11	7	17	81
5324	2018	9	28	11	40	10	81
5325	2018	9	28	12	36	25	82
5325	2018	9	28	12	12	6	81
5325	2018	9	28	12	23	9	81
5326	2018	9	28	13	22	15	81
5327	2018	9	28	14	47	32	84
5327	2018	9	28	14	37	40	82
5328	2018	9	28	14	59	18	84
5416	2018	10	4	12	37	8	82
5418	2018	10	4	14	43	9	86
5427	2018	10	5	13	41	16	86
5427	2018	10	5	13	26	9	86
5428	2018	10	5	15	10	23	86
5429	2018	10	5	17	1	34	88
5429	2018	10	5	15	24	7	86
5429	2018	10	5	17	15	25	88

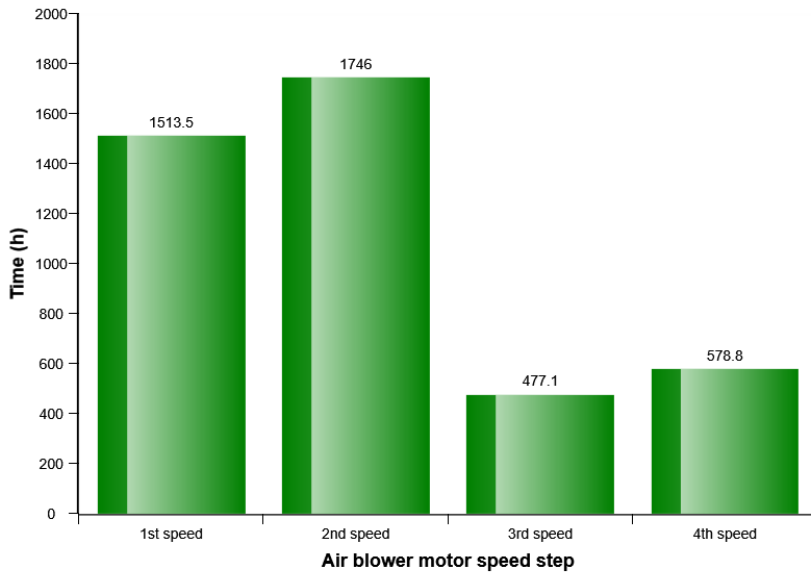




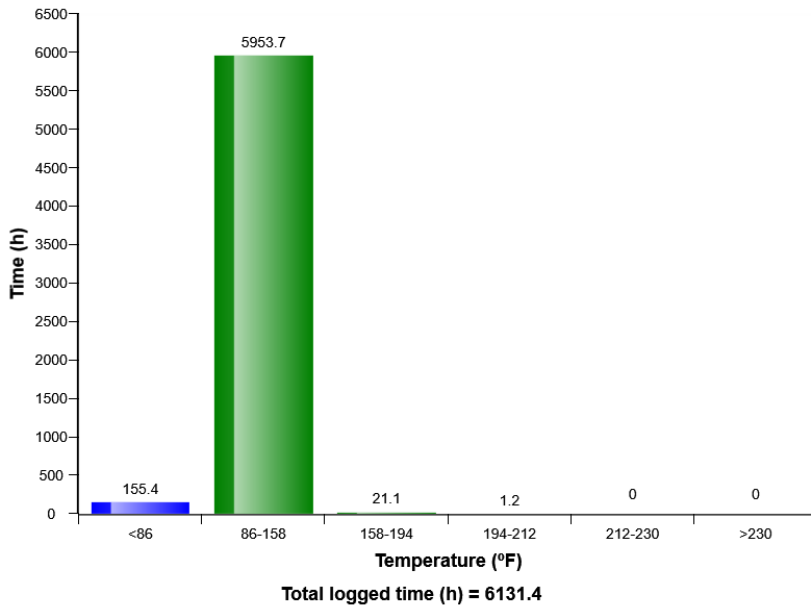


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### HVAC air blower motor speed in manual mode distribution (h)



### Hydraulic oil, temperature distribution (h)





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