

VOLVO CONSTRUCTION EQUIPMENT MATRIS REPORT

Machine model A40G	SerialNo 341641	Operating Hours 2332.8	Reading Date 03/06/2019
Company name Ryan Central Waverly, VA	Dealer	Report Issuer	
Contact name	Technician bduppstadt	Primary Application Earth moving construction	
Site	Workorder	Ground Condition	

MATRIS Reading, Summary / Recommendation

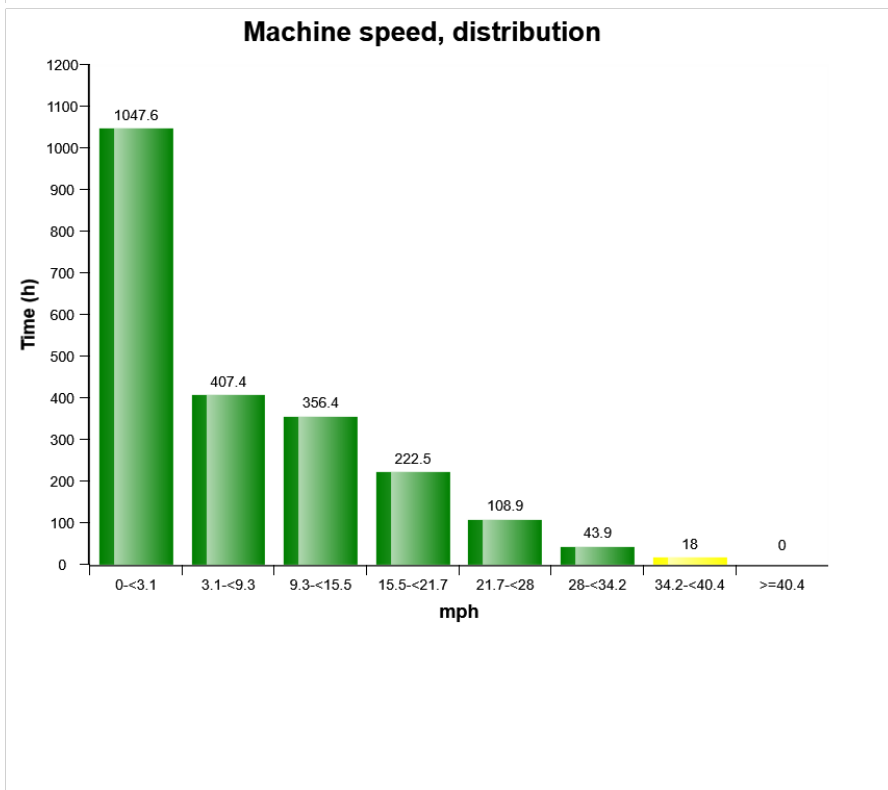
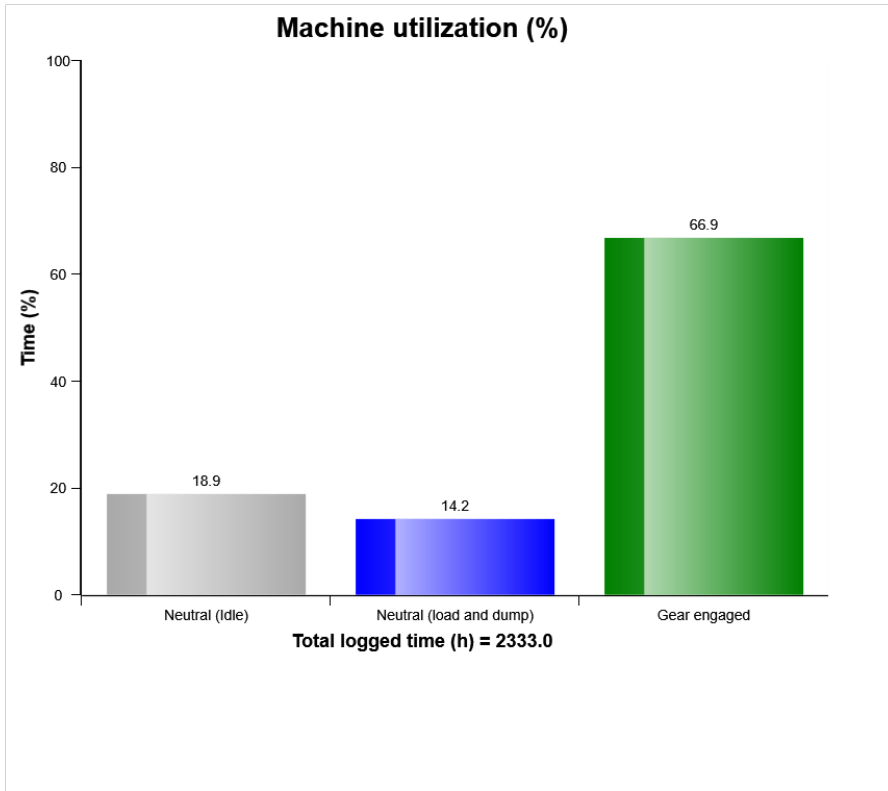


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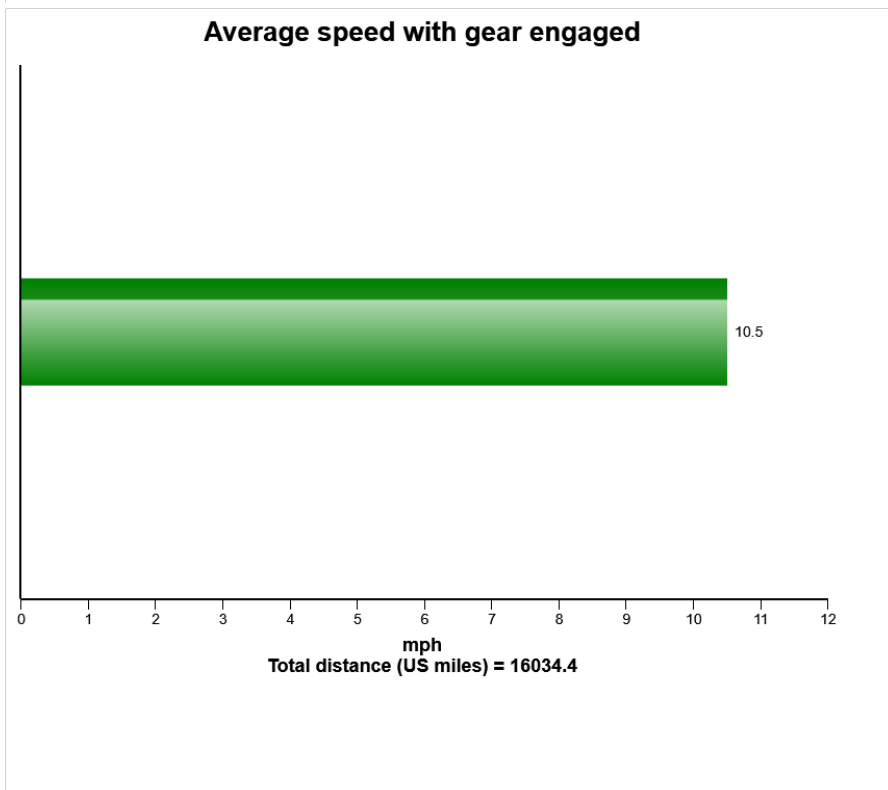
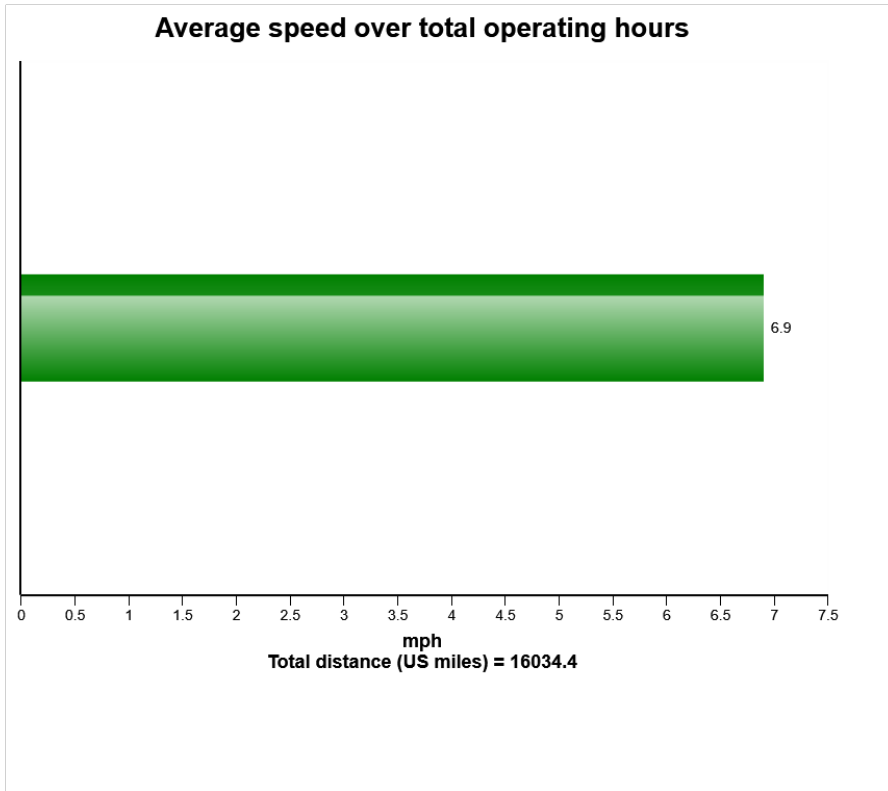
Main equipment	Type	Equipment
	Tyre size/class	Sold without tyres
	Body extensions	Not mounted
	Tail-gate	Not mounted
	Extra spillguard	Not mounted
	Wear plates	Not mounted
	Pattern	None



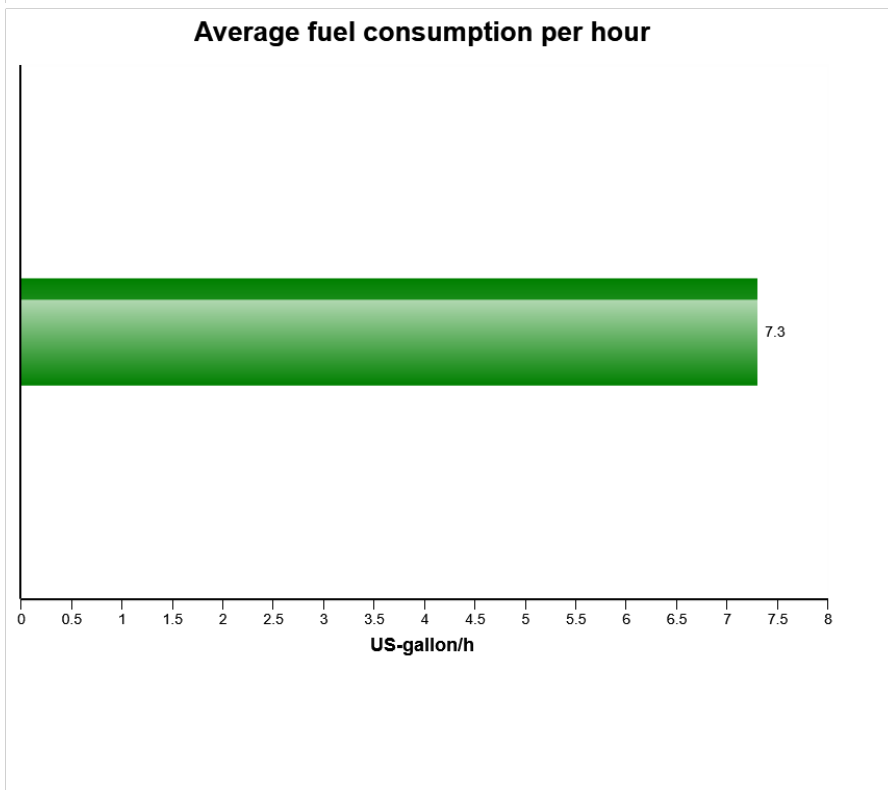
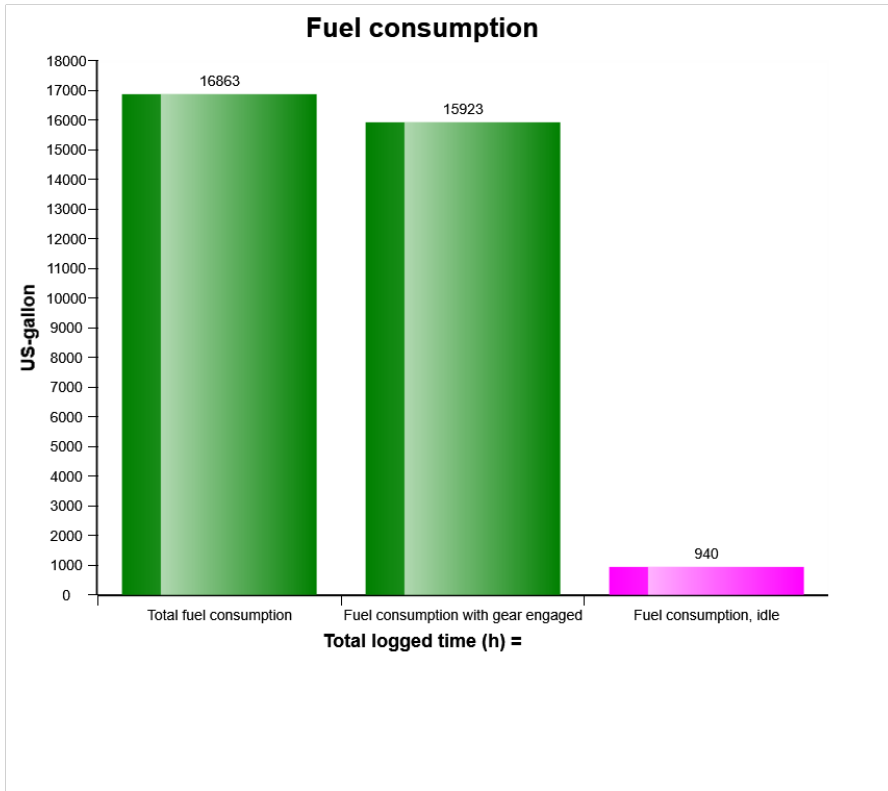
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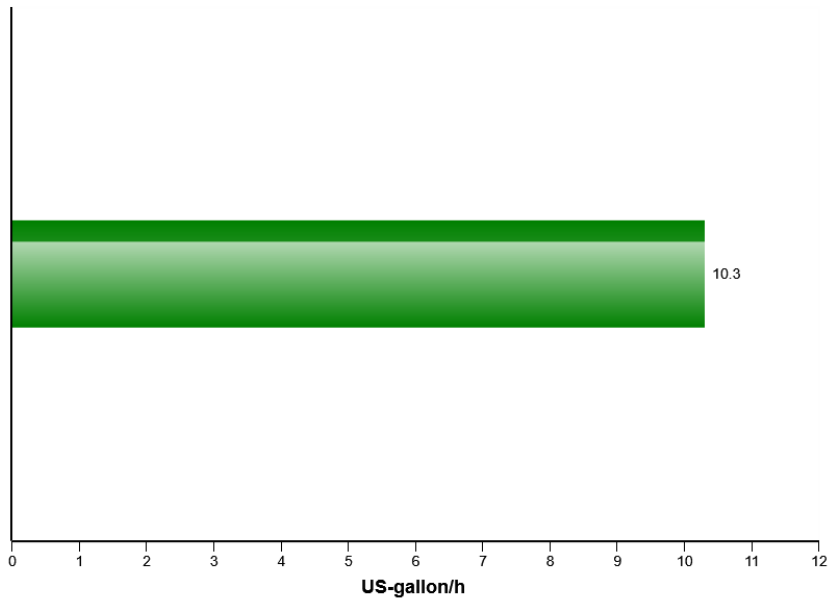


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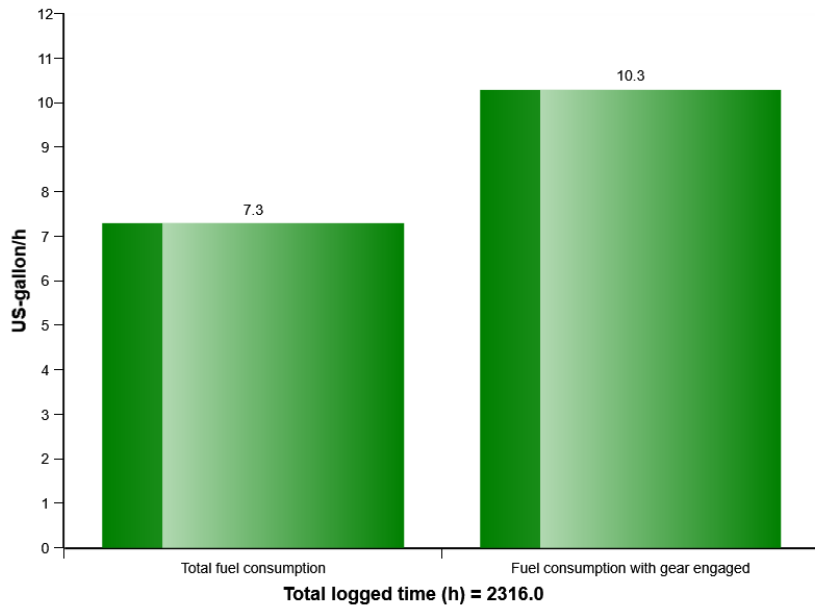


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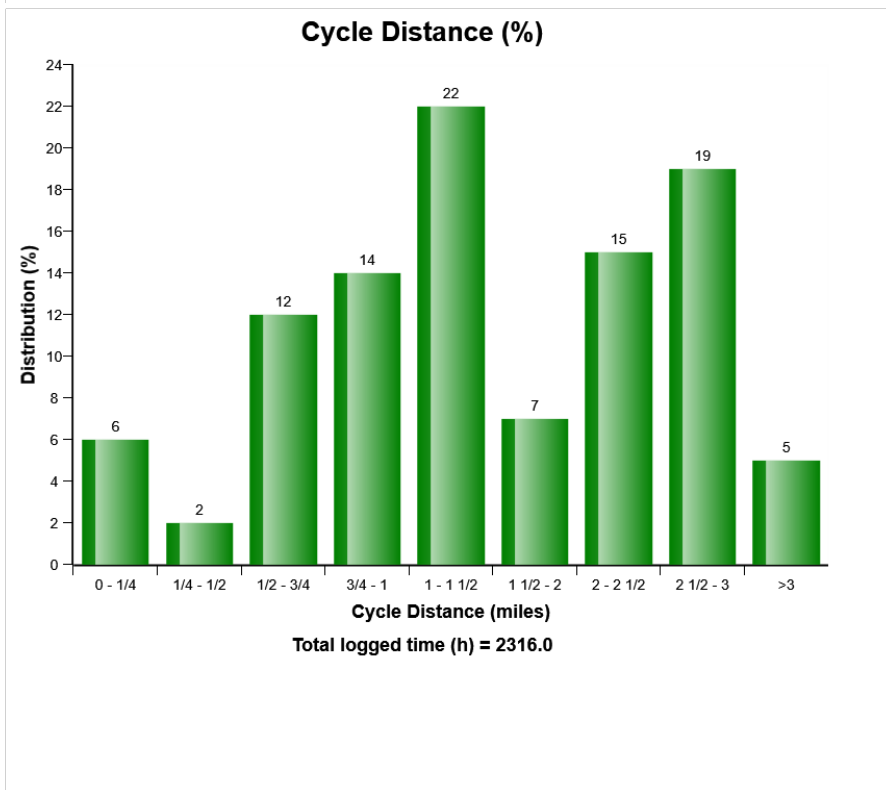
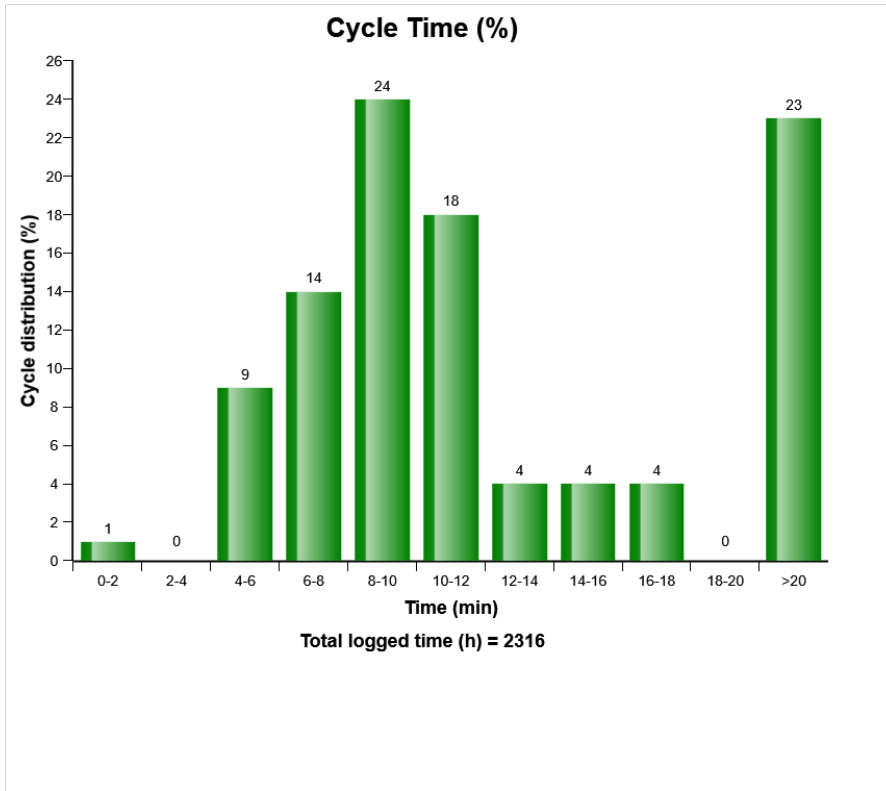
Average fuel consumption per hour with gear engaged



Average fuel consumption



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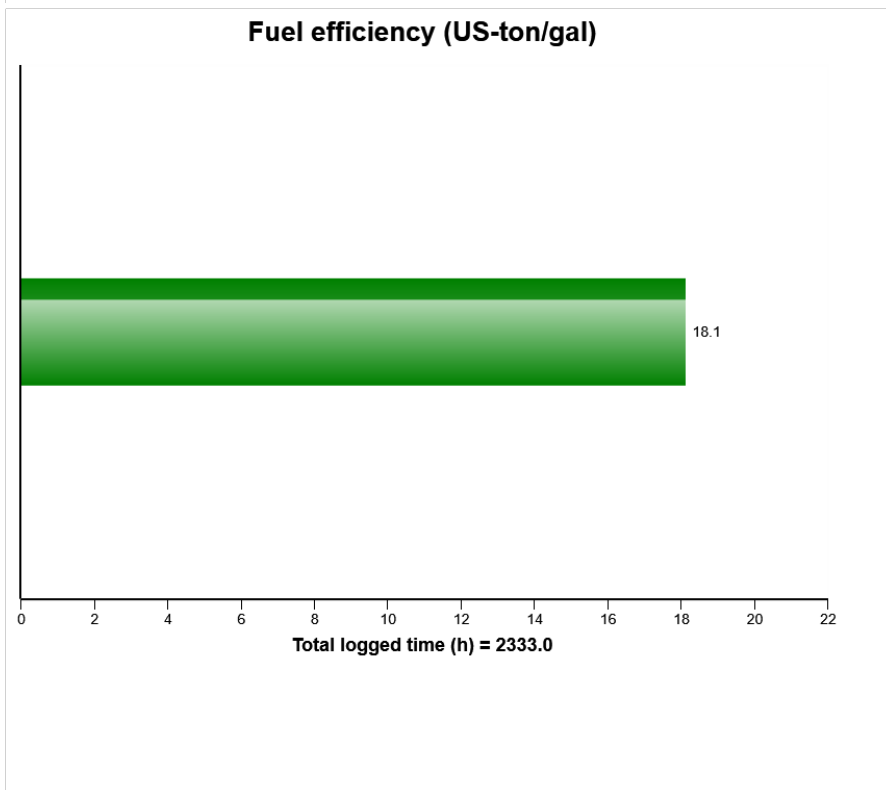
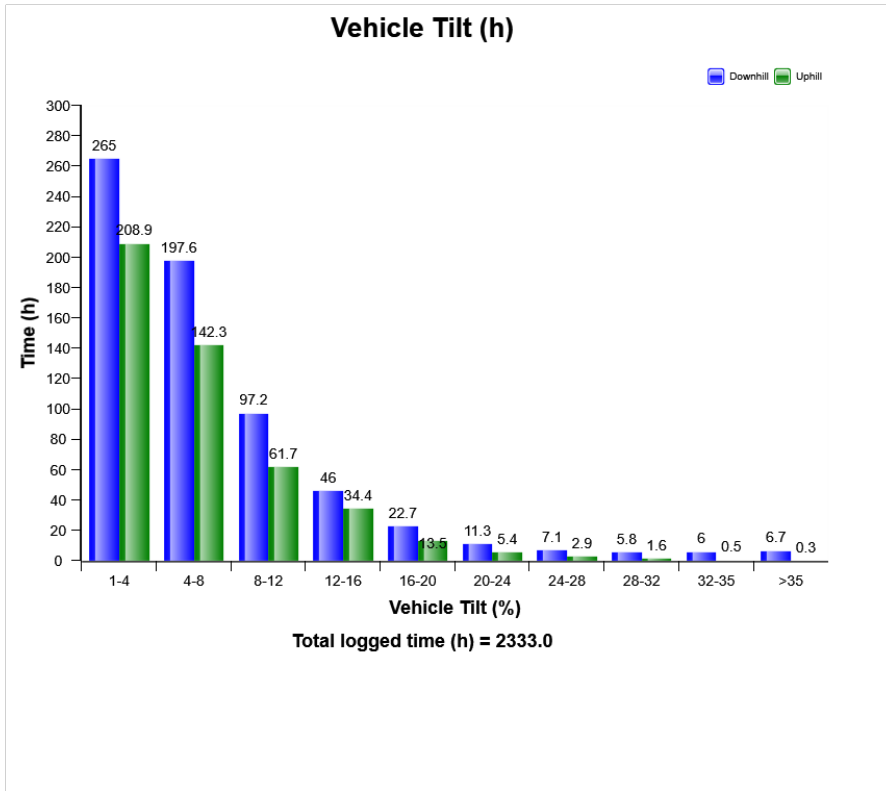
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Accumulated performance
Total logged time (h) =

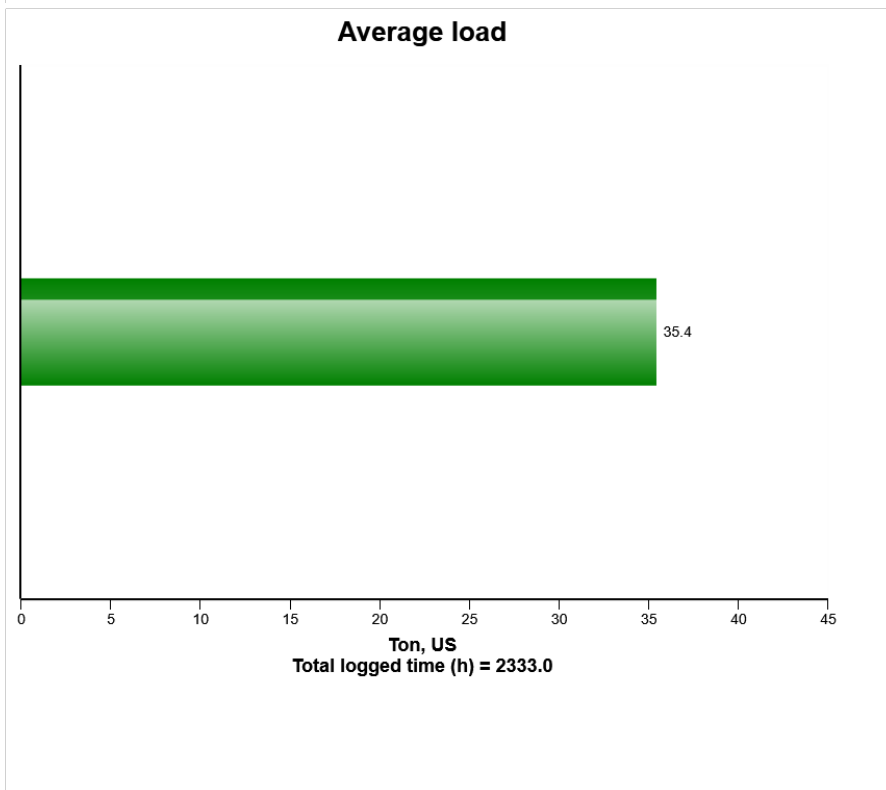
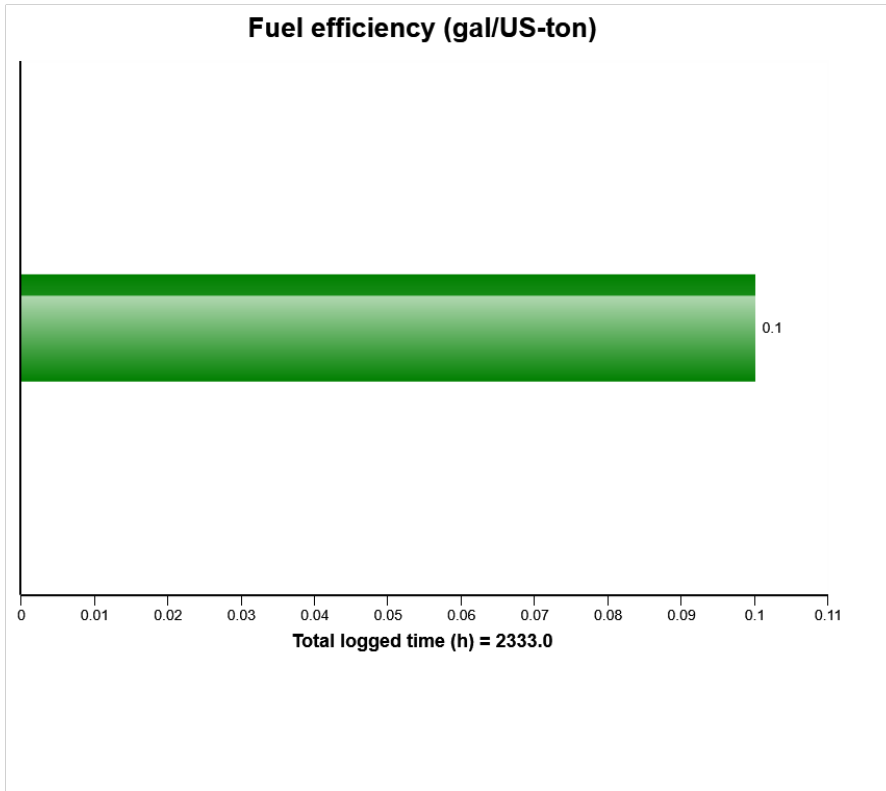
Total logged time (h) =	2333.0
Fuel consumption (US-gallons)	16868
Production (ton,US)	305877
Ton/h	131.1
Ton/gal	18.1
Fuel efficiency (US Gal/ton)	0.06
Number of cycles	8650
Cycles overloaded (%)	1
Load utilisation / cycle (%)	82



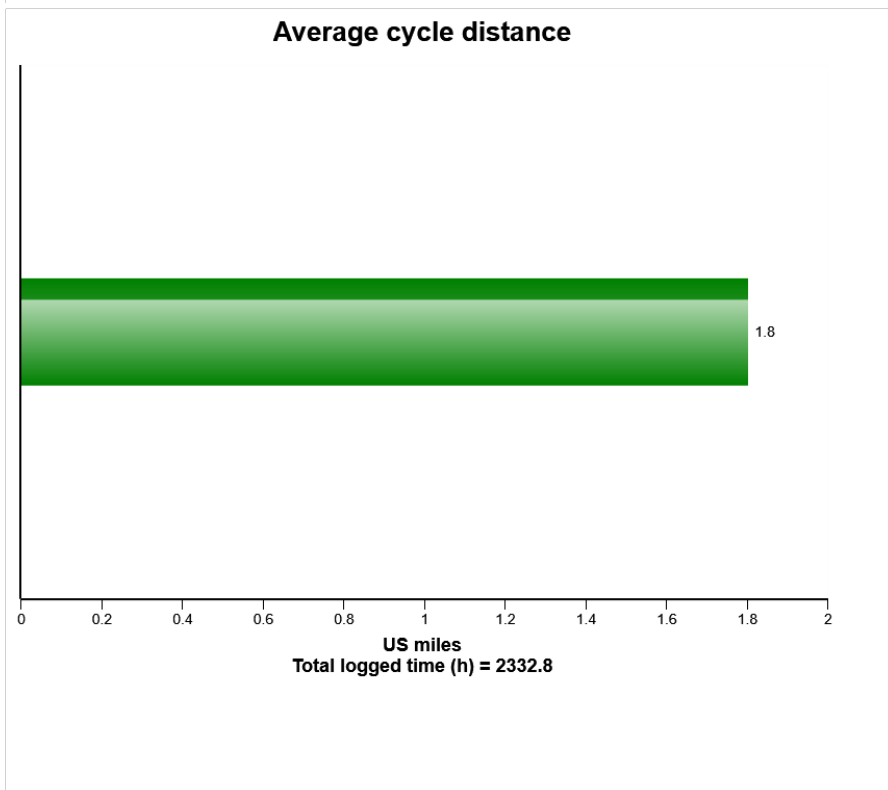
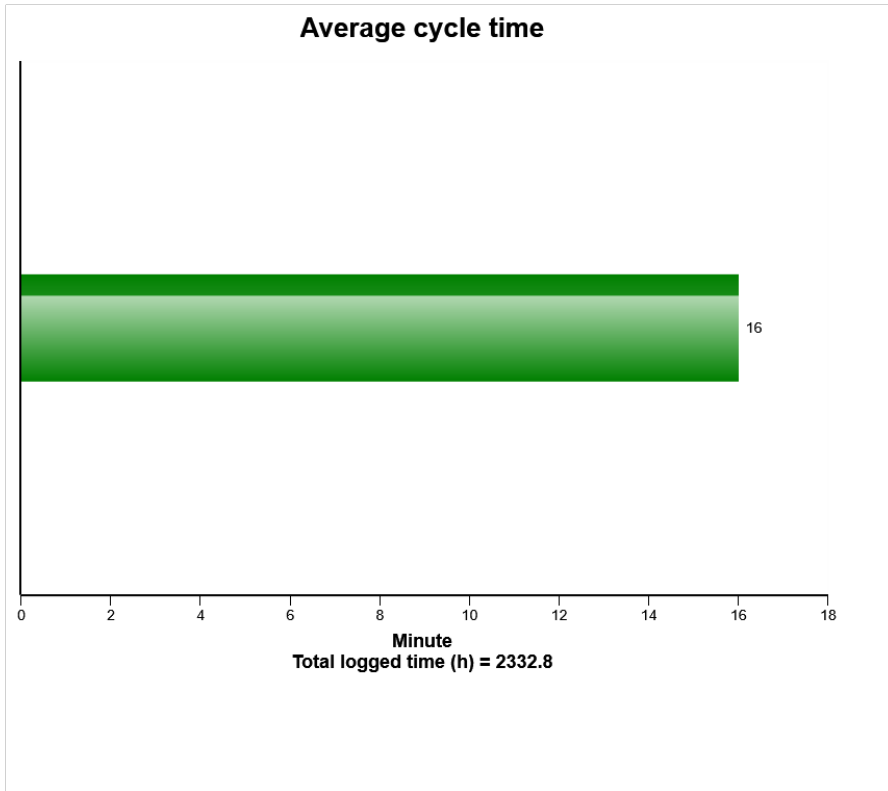
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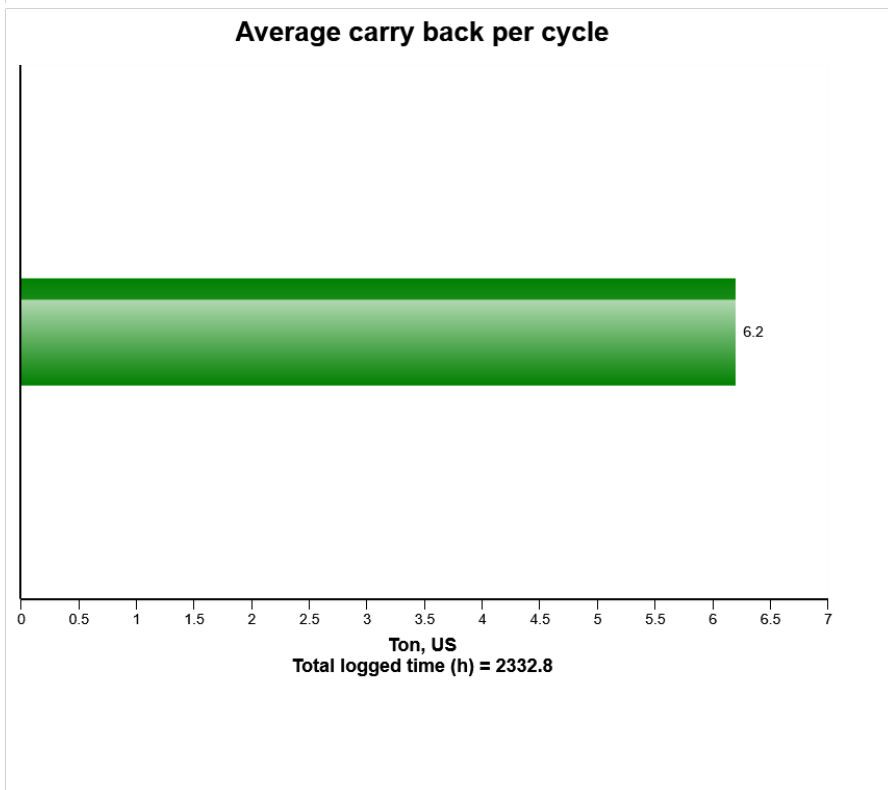
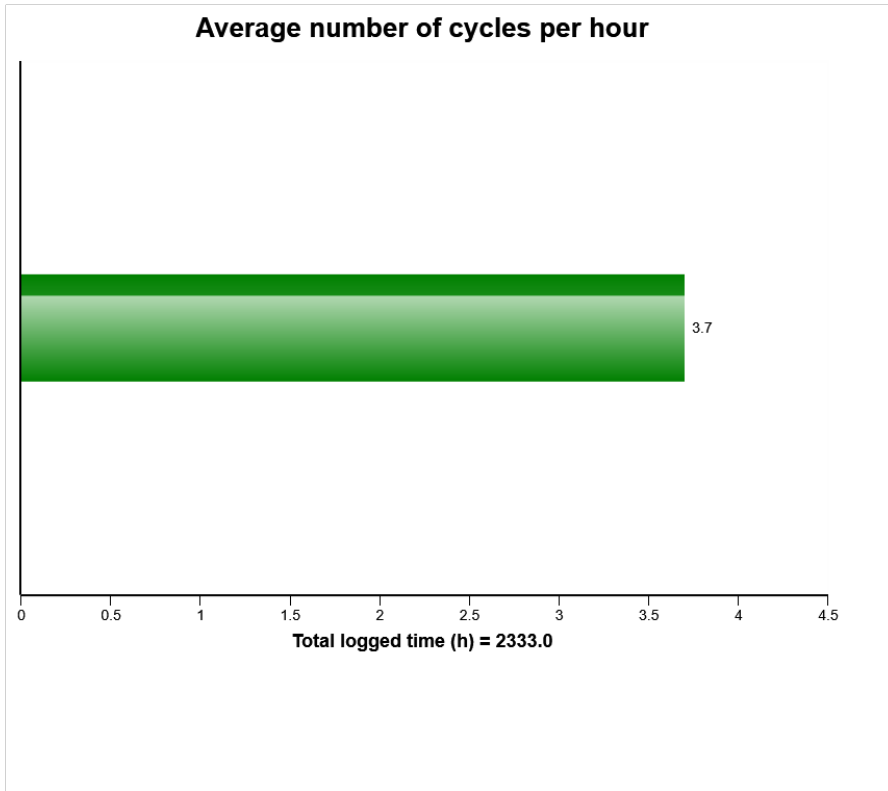
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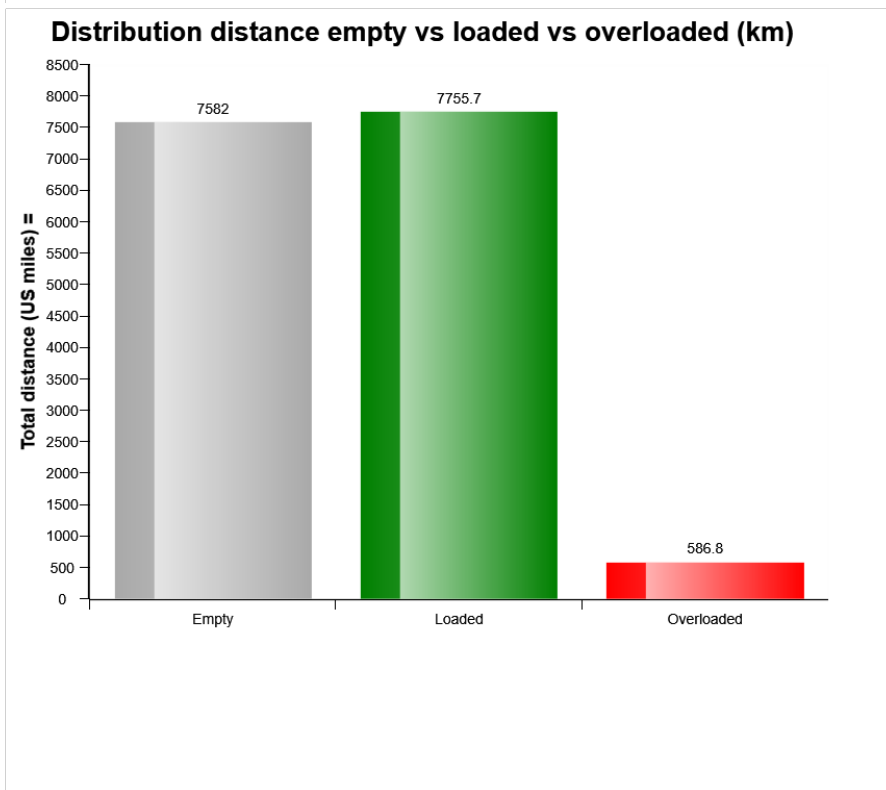
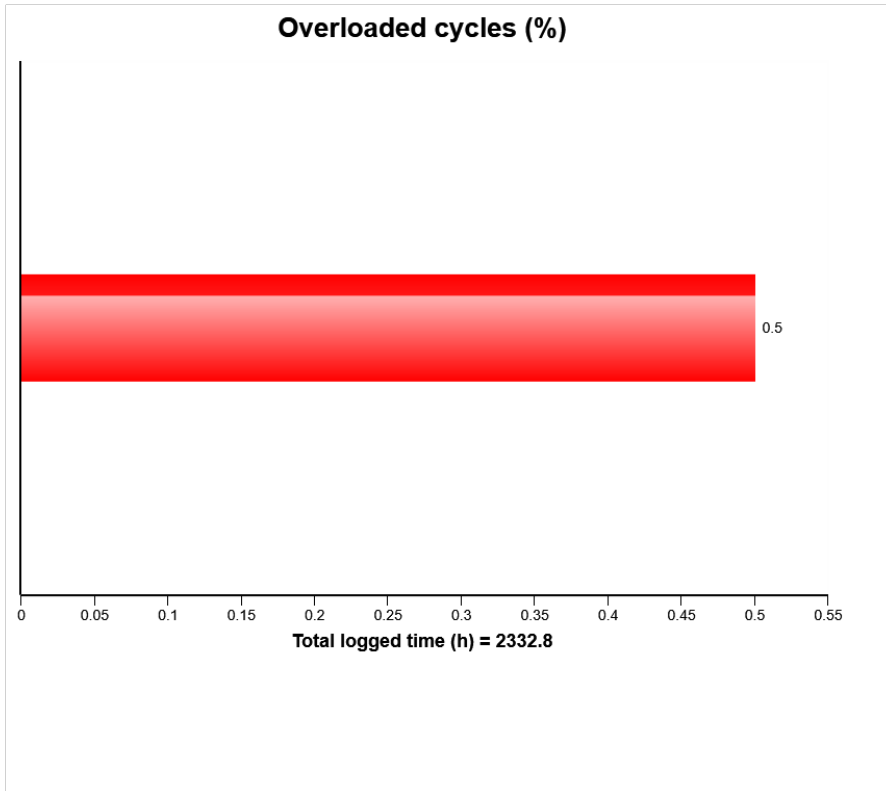
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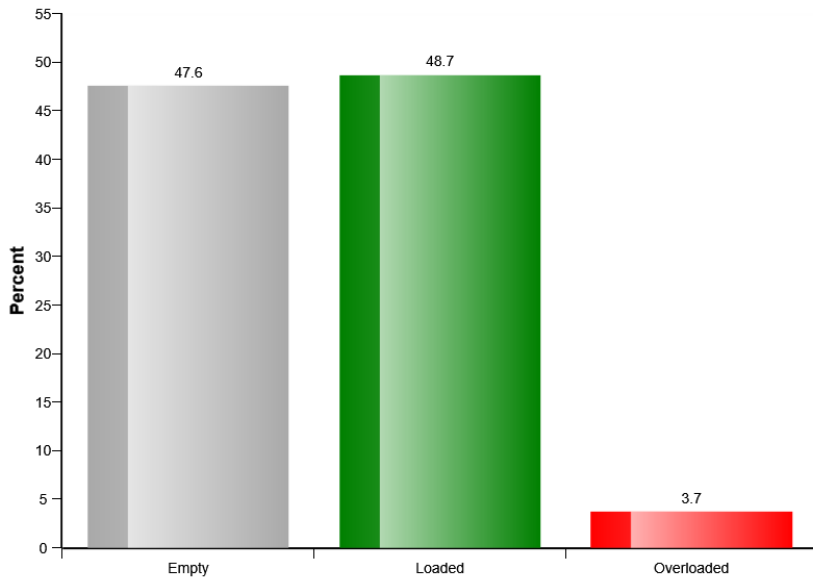


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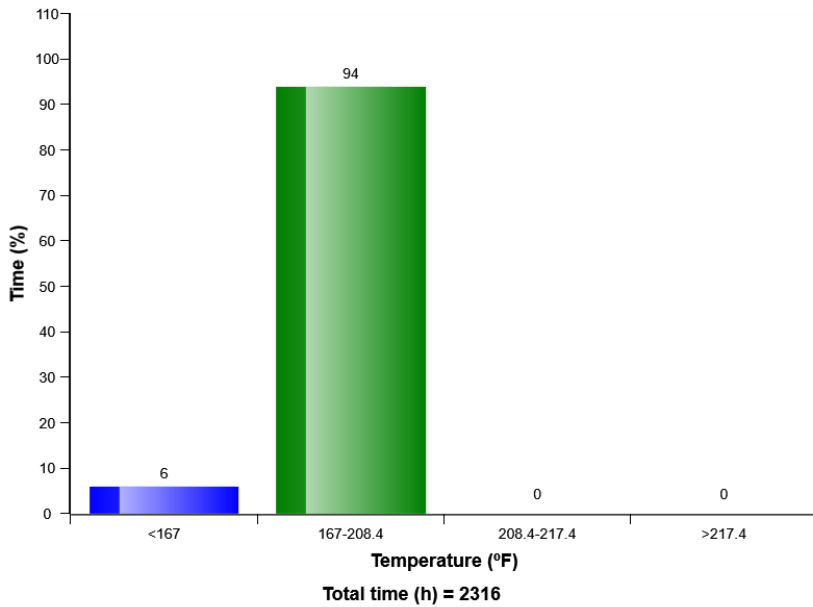


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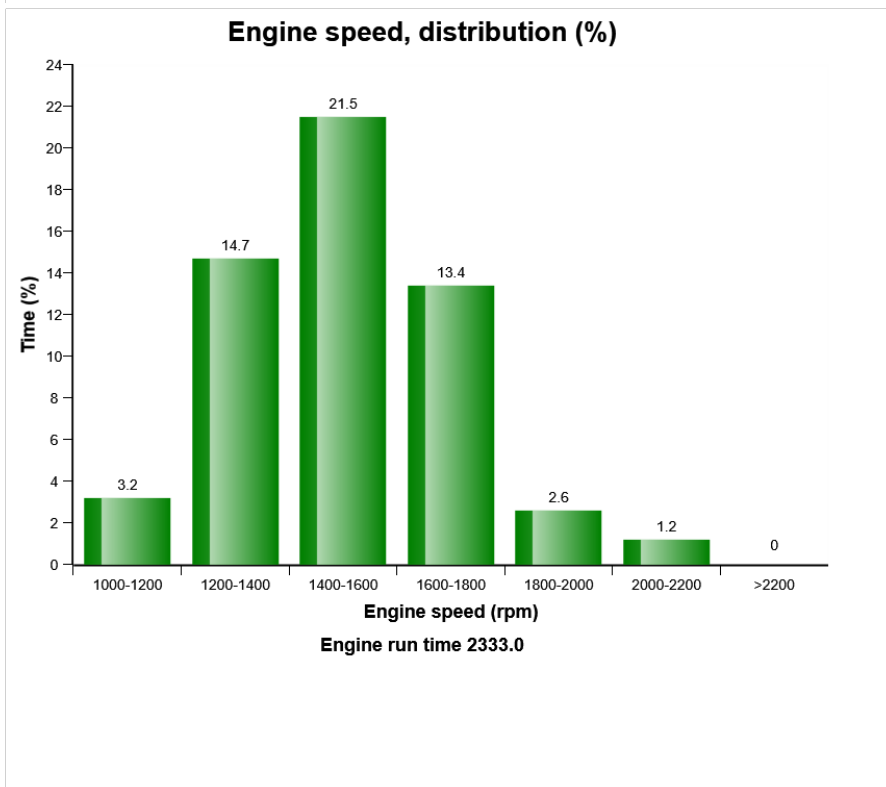
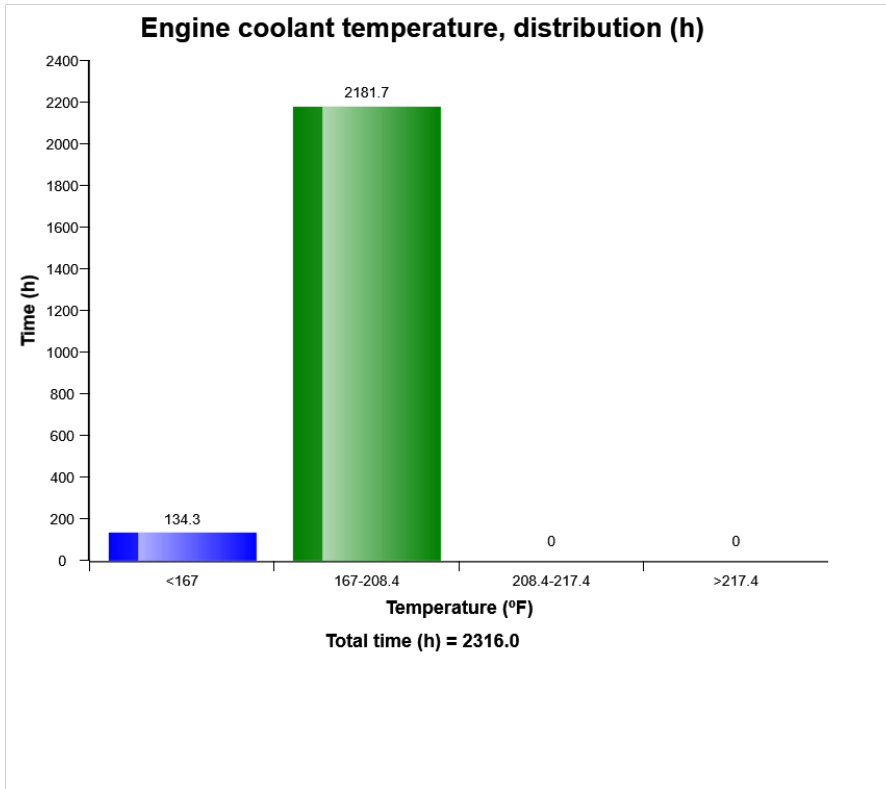
Distribution distance empty vs loaded vs overloaded (%)



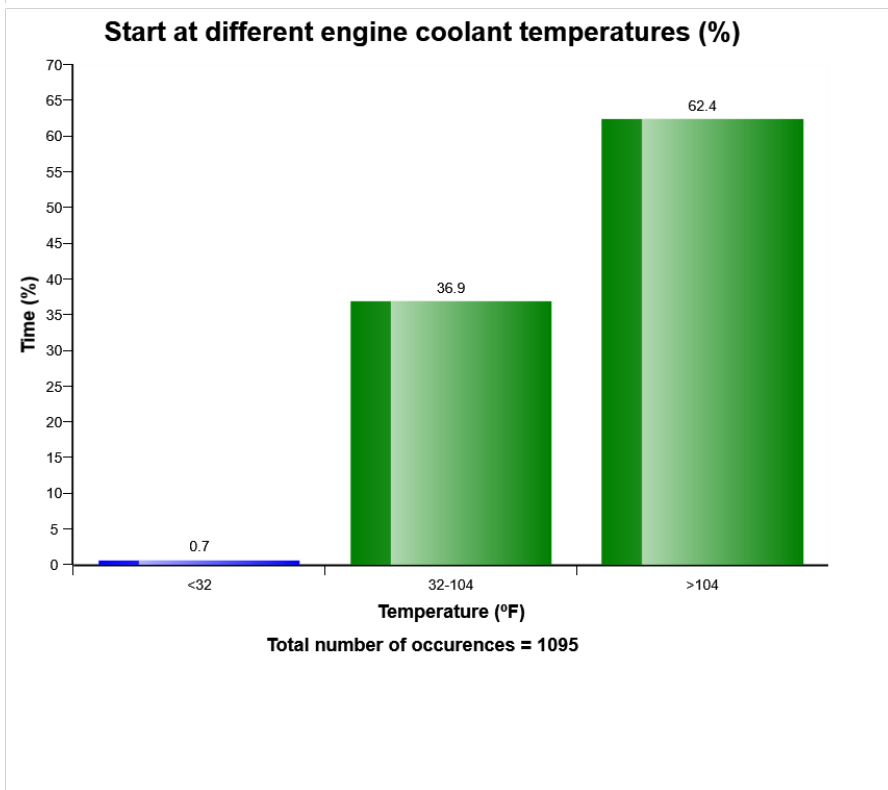
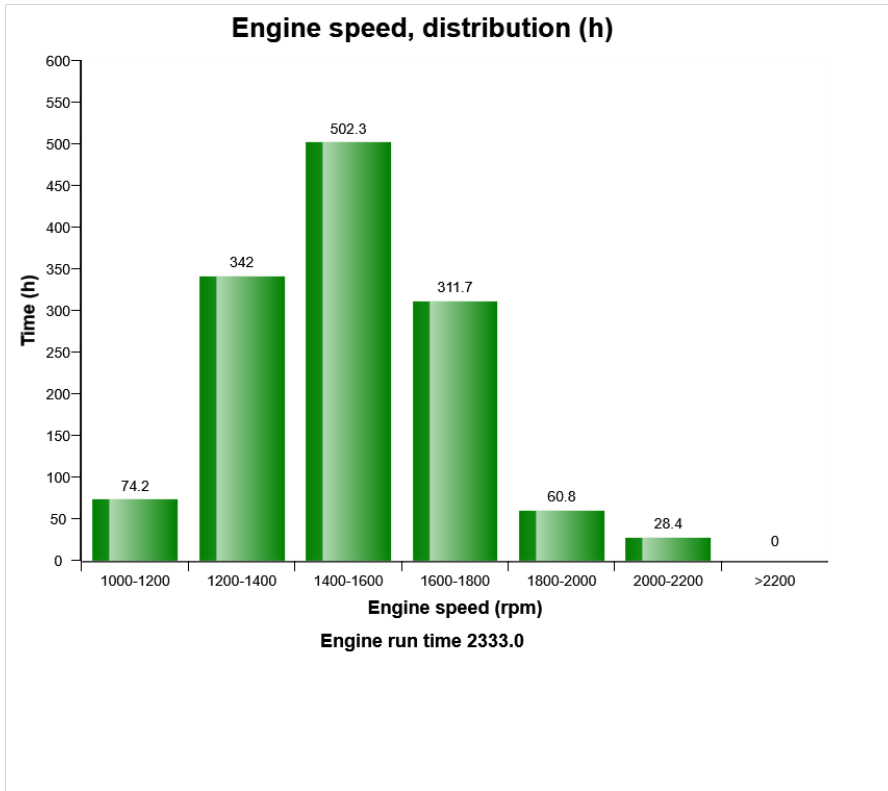
Engine coolant temperature, distribution (%)



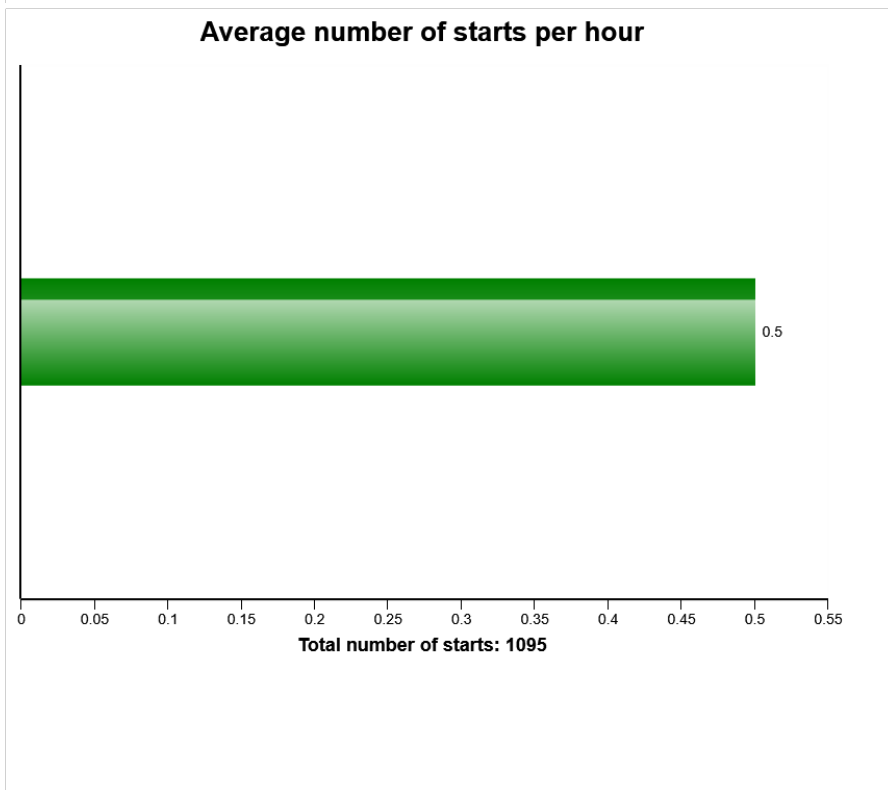
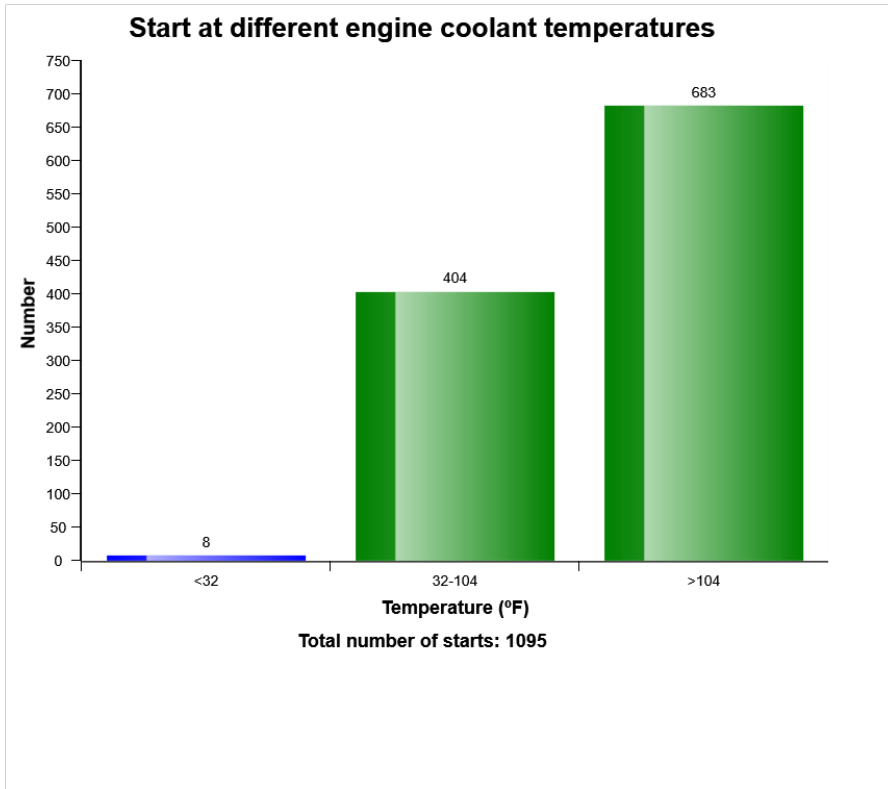
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**High engine coolant temperature
Total number of occurrences = 0**

	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



Machine model	SerialNo	Operating Hours	Reading Date
A40G	341641	2332.8	03/06/2019

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



Machine model	SerialNo	Operating Hours	Reading Date
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Regeneration ignored
Total number of ignored regenerations 0

	Op hours	Year	Month	Day	Hour	Minute	Duration (min)
*	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
*	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
*	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
*	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
*	0	2000	0	0	0	0	0
*	0	2000	0	0	0	0	0



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Regeneration aborted
Total number of occurrences = 0

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
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
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
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
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
0	2000	0	0	0	0	0
0	2000	0	0	0	0	0
0	2000	0	0	0	0	0



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Regeneration duration
Total number of occurrences = 14

Op hours	Year	Month	Day	Hour	Minute	Duration (min)
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	11	13	21	40	47
703	2017	12	29	22	25	53
704	2017	12	29	23	26	8
705	2018	1	2	19	7	34
865	2018	3	7	21	22	43
1309	2018	8	13	19	28	3
1309	2018	8	13	19	38	1
1309	2018	8	11	4	31	22
1309	2018	8	13	19	14	1
1309	2018	8	13	19	52	30
1647	2018	12	6	17	25	25
1649	2018	12	7	8	20	32
2150	2019	4	19	10	50	8
2150	2019	4	19	10	59	41



Machine model	SerialNo	Operating Hours	Reading Date
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Water level warning in water separator
Total number of occurrences = 0

Op hours	Year	Month	Day	Hour	Minute	Duration (min)
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
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
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
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



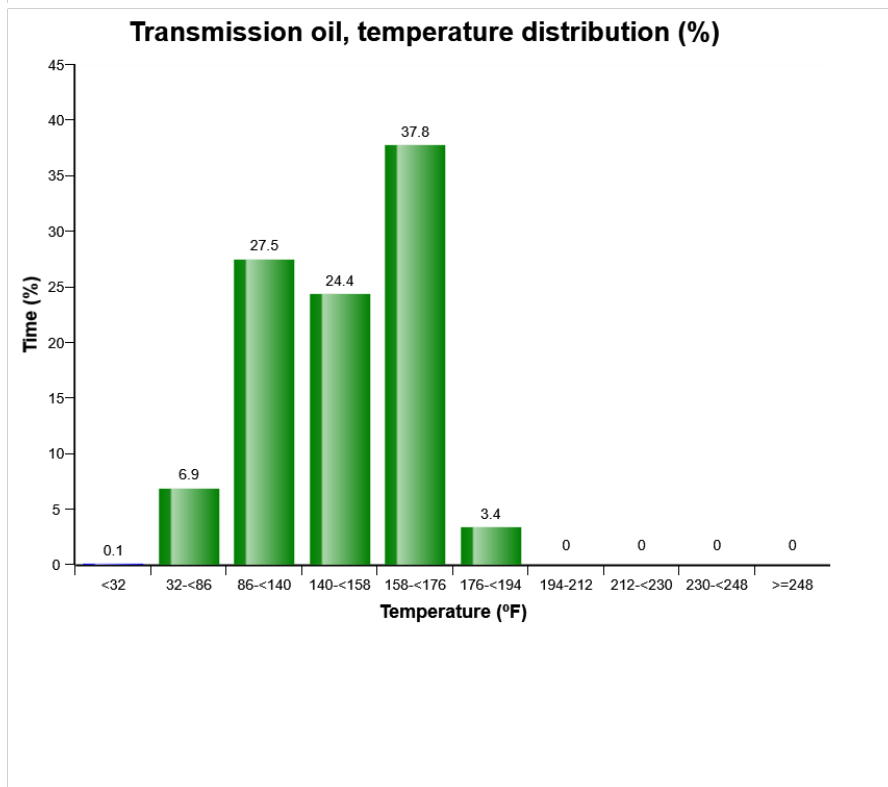
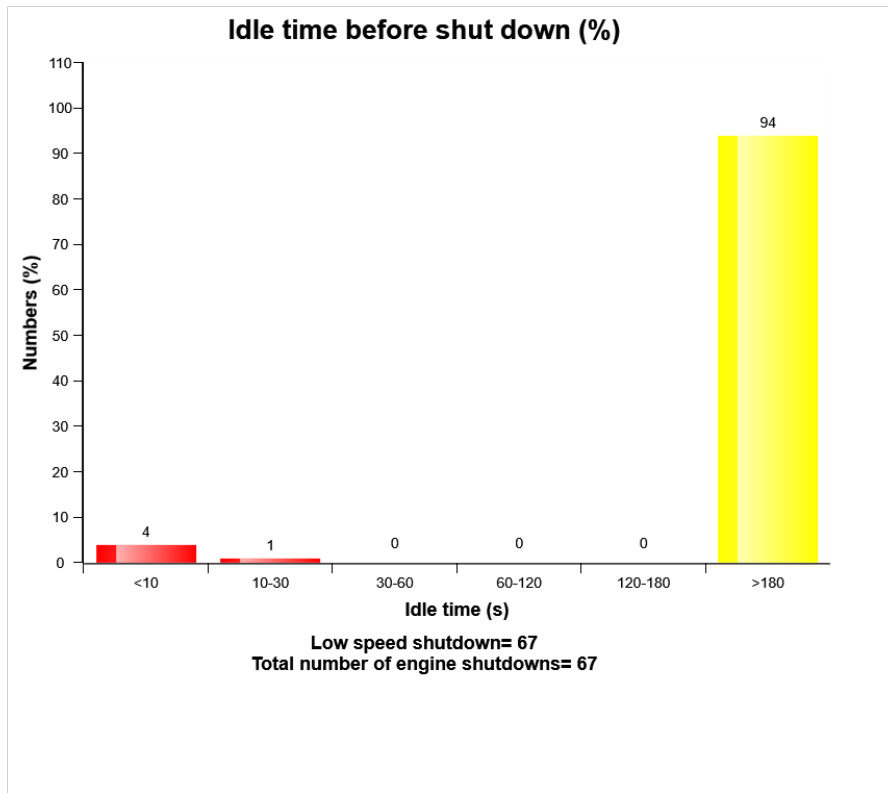
Machine model	SerialNo	Operating Hours	Reading Date
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High voltage
Total number of occurrences = 2

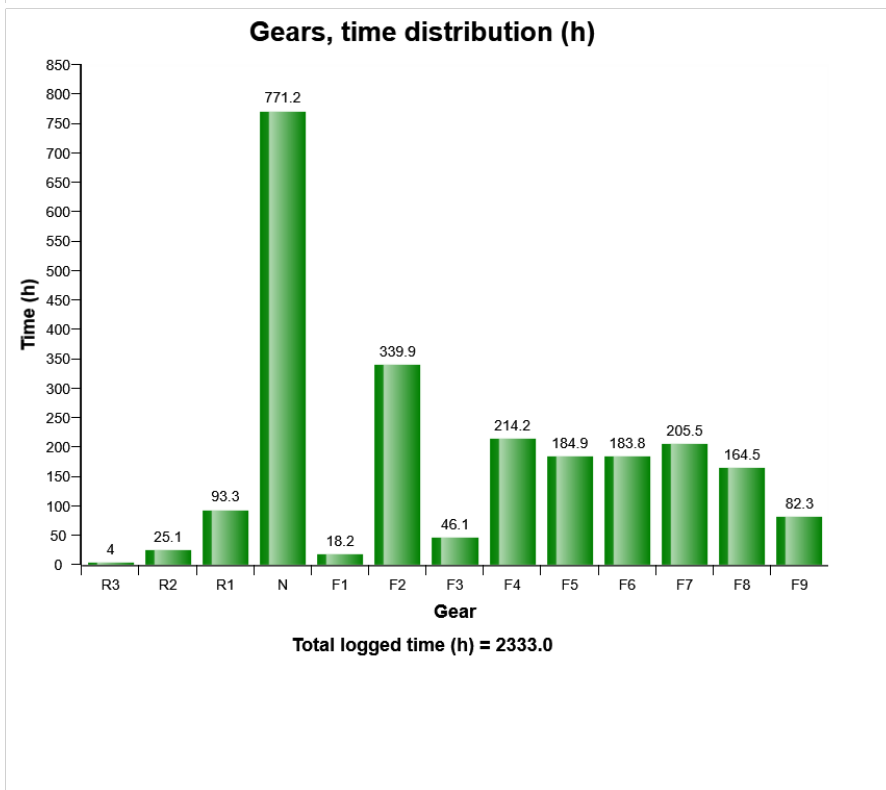
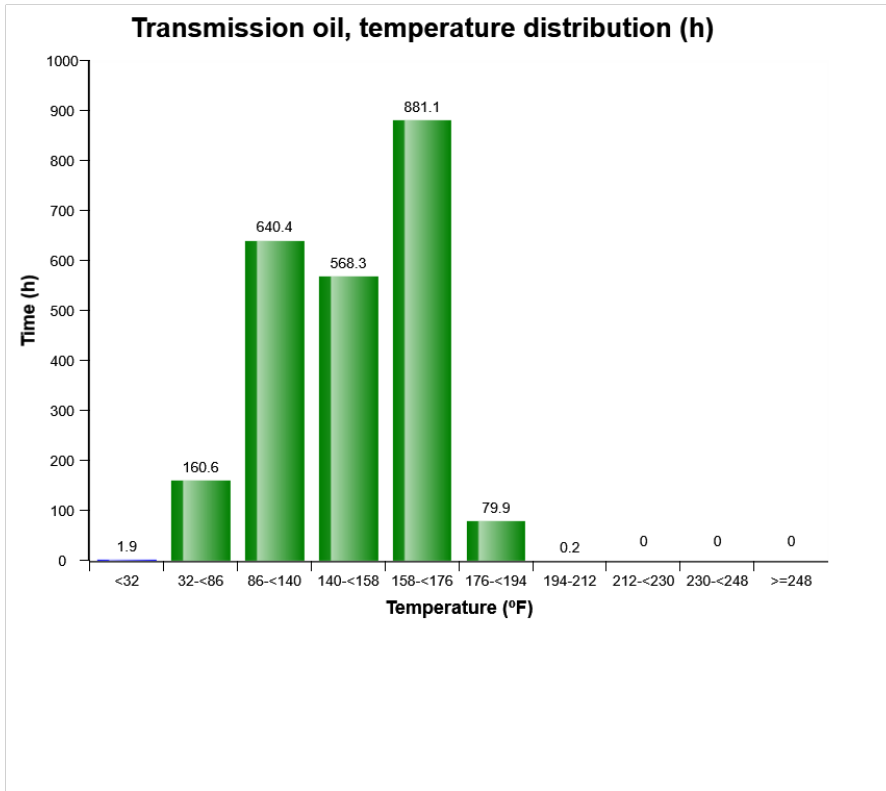
Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme value
1710	2019	1	1	17	53	2	31.8
1389	2018	9	15	2	12	0	30.8
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0



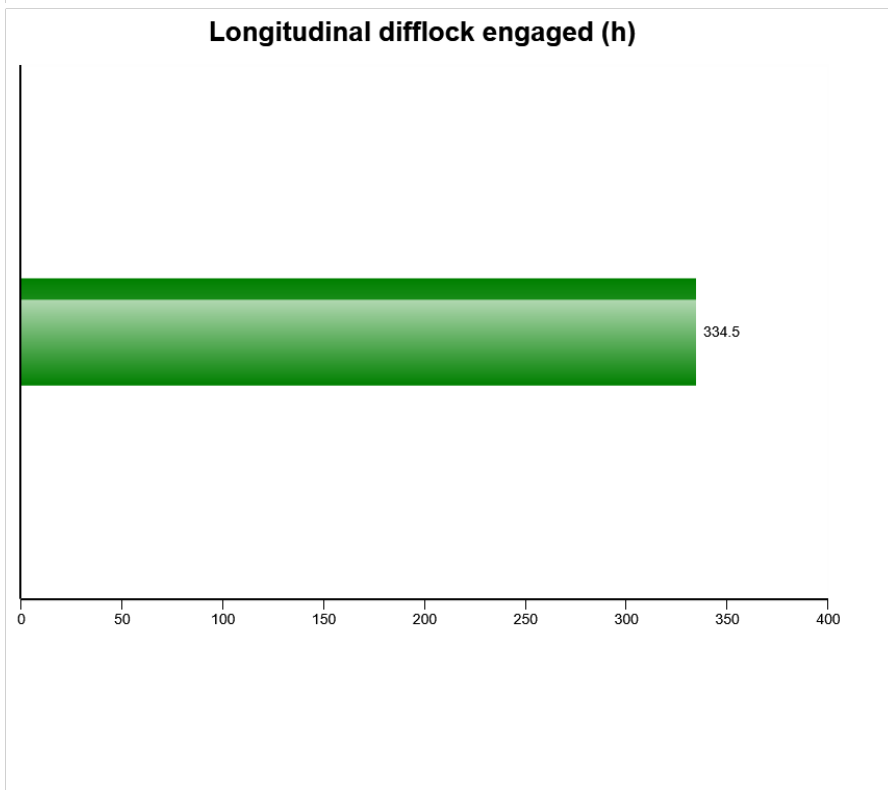
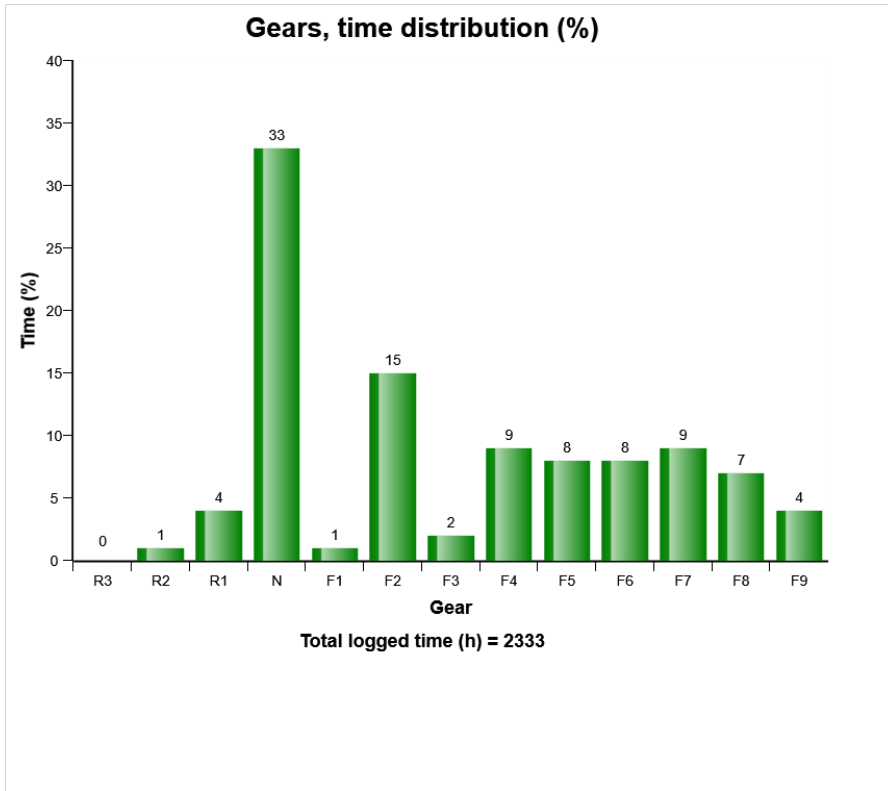
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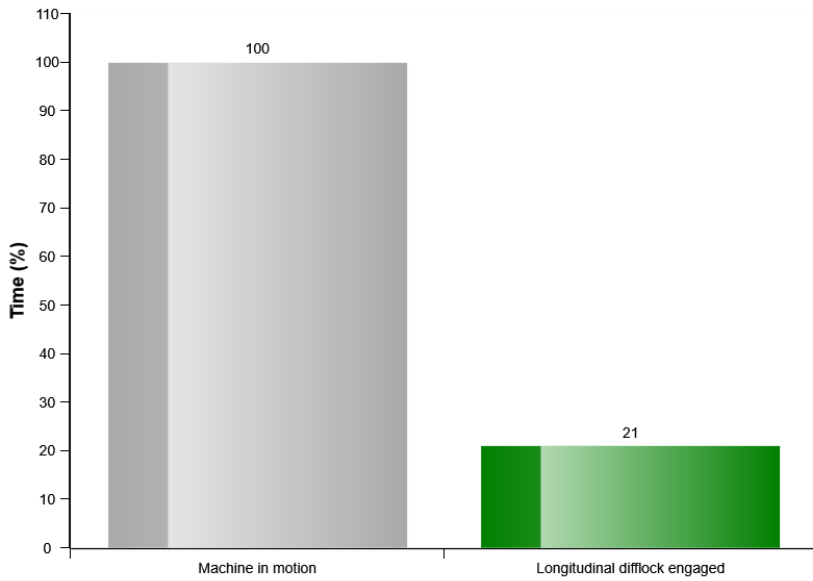
**Transmission oil pressure low
Total number of occurrences = 3**

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
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
668	2017	12	21	19	32	0	1057
724	2018	1	3	23	46	0	770
1023	2018	5	2	3	43	0	1445

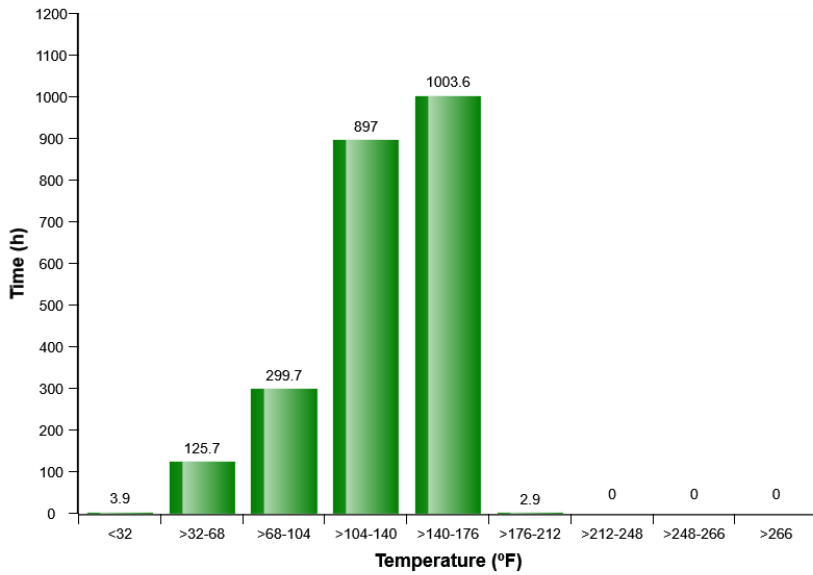


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Longitudinal difflock use related to machine in motion (%)

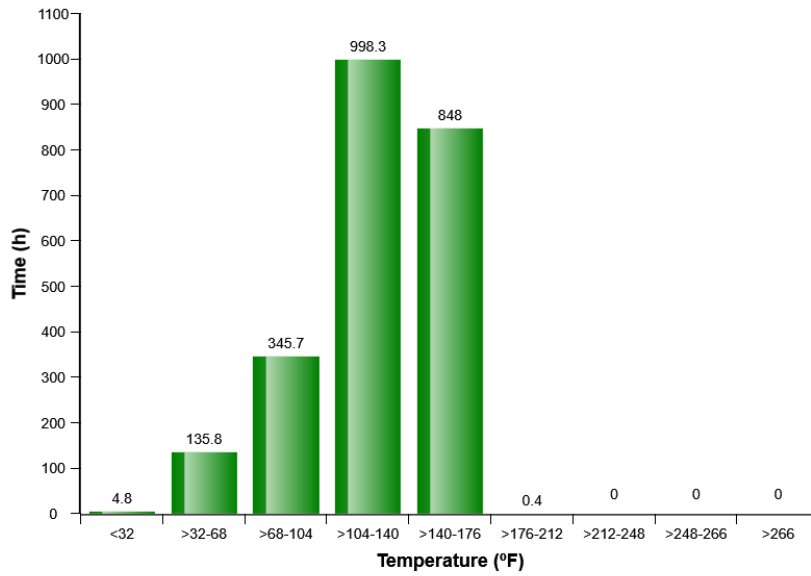


Service brake cooling oil, front axle temperature

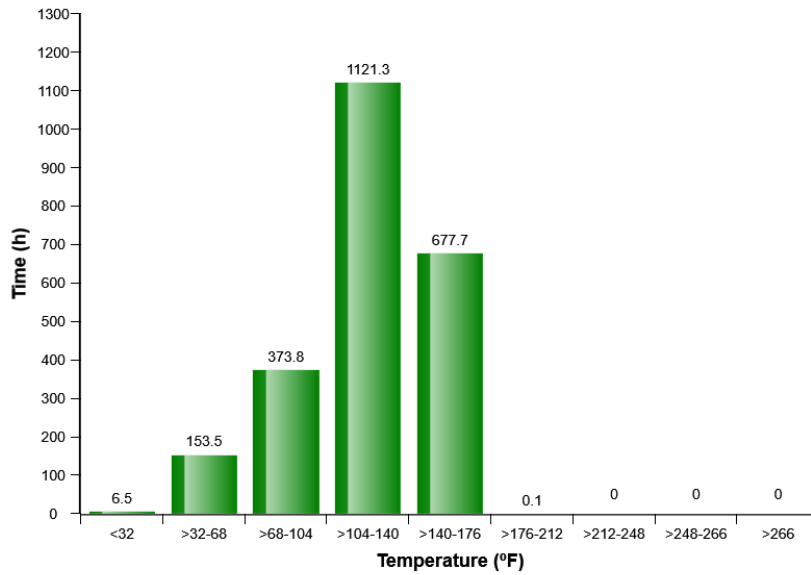


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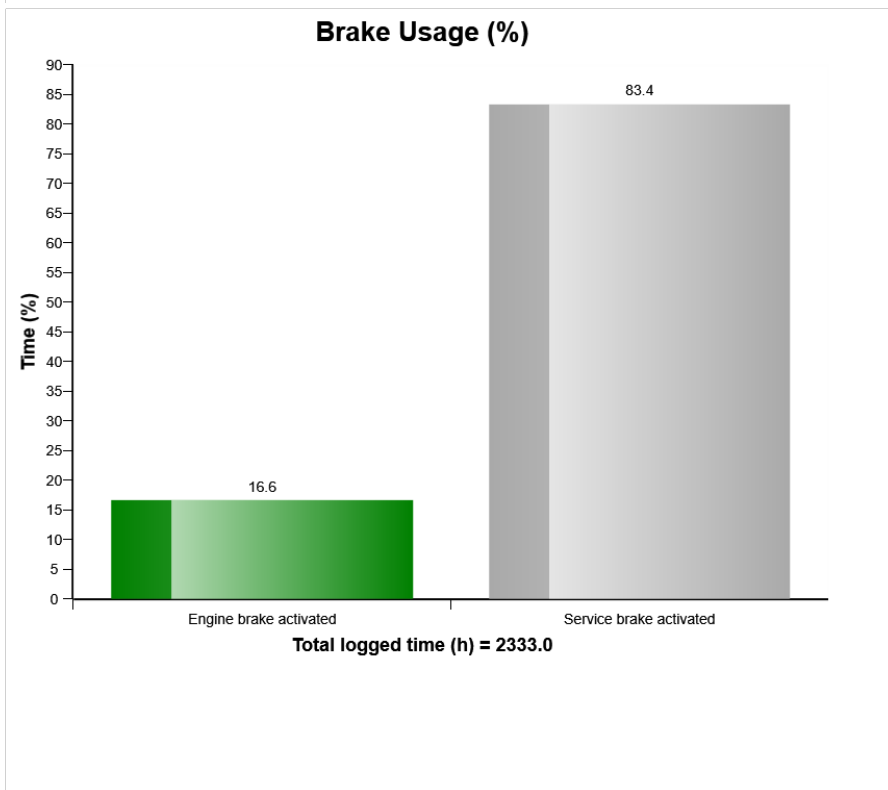
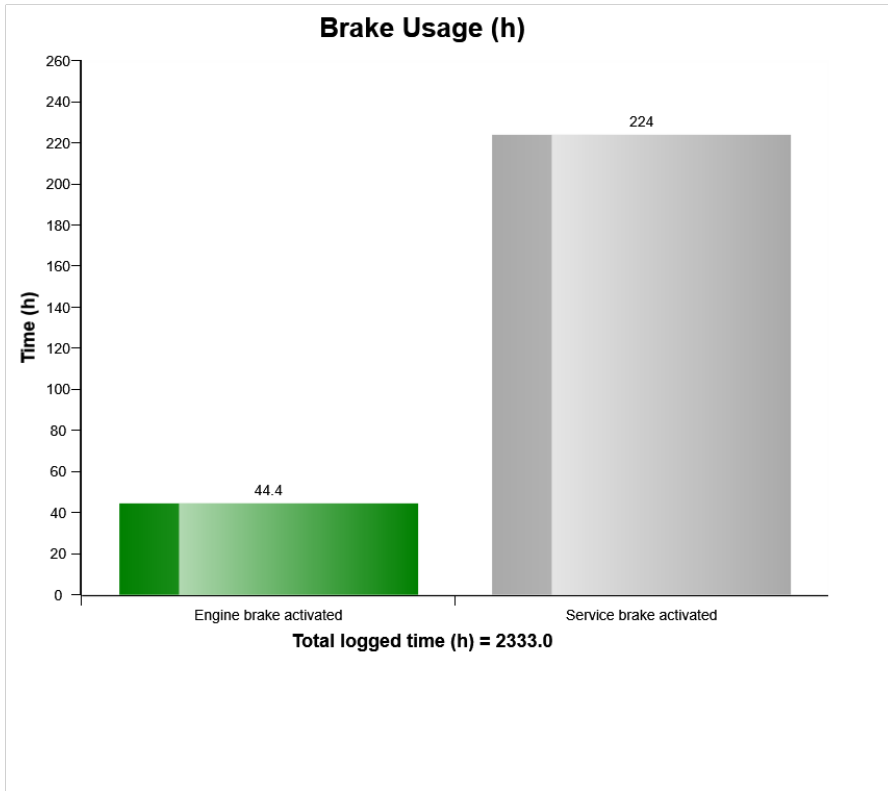
Service brake cooling oil, first bogie axle temperature



Service brake cooling oil, second bogie axle temperature



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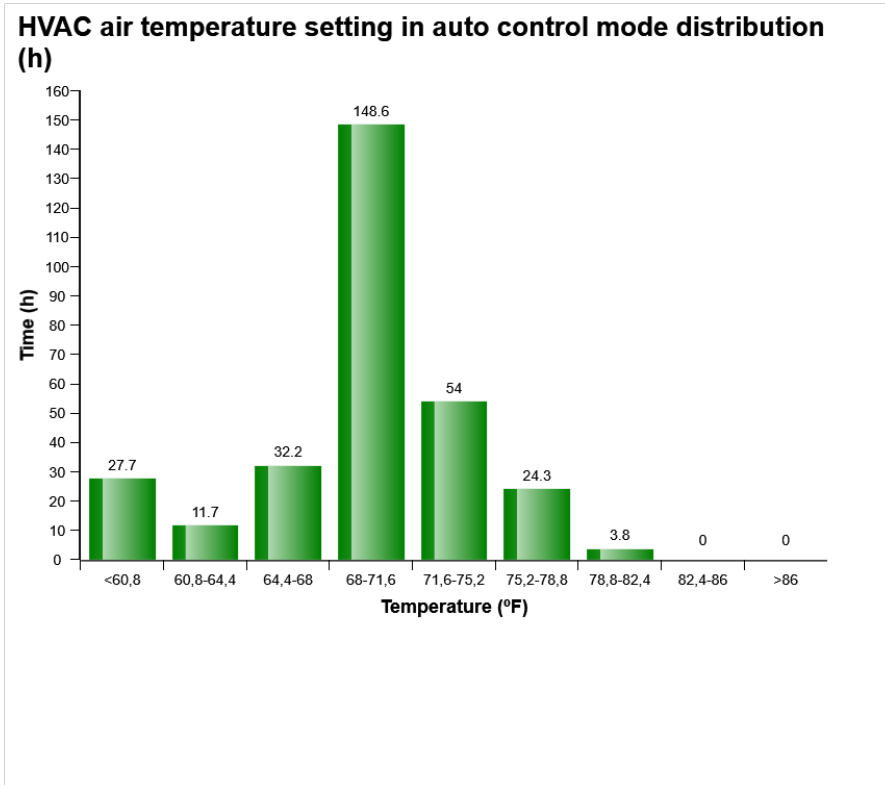
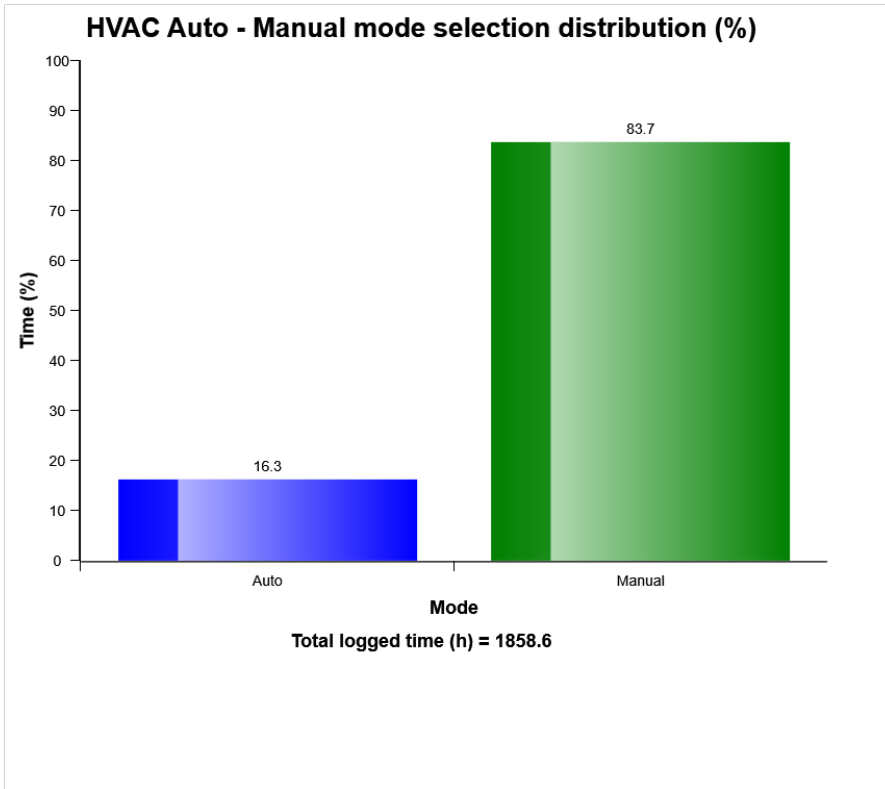
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Low Brake Servo Pressure
Total number of occurrences = 11

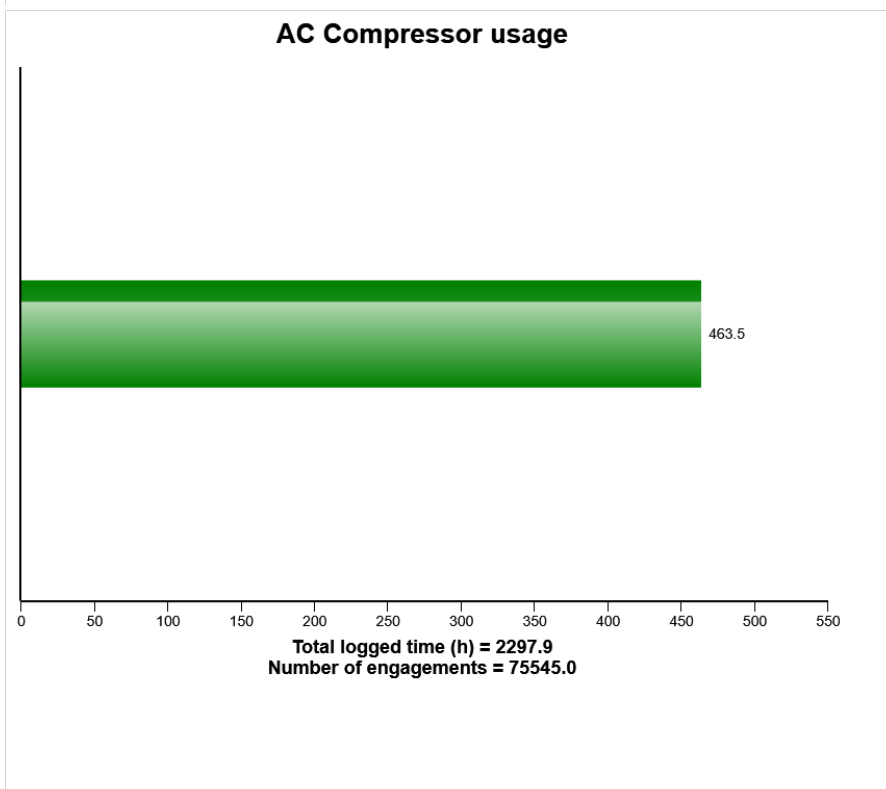
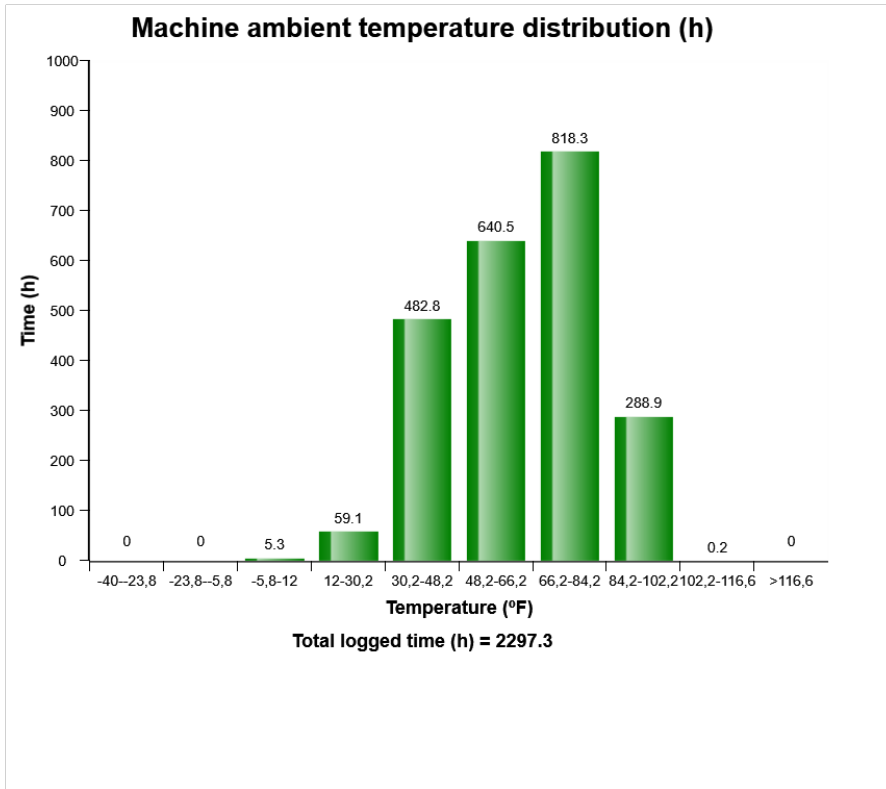
	Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme (psi)
B	1	2016	12	8	13	58	0	2225
C	1309	2018	8	10	18	24	0	2151
D	1342	2018	8	17	19	4	0	2132
E	1352	2018	8	23	19	26	6	2219
F	1361	2018	8	24	19	20	0	2269
G	1376	2018	8	28	19	25	0	2293
H	1438	2018	10	3	19	17	0	2318
I	1547	2018	11	8	4	24	0	2281
J	1713	2018	12	20	14	32	0	2293
A	2076	2019	3	31	8	34	10	2231



Machine model	SerialNo	Operating Hours	Reading Date
A40G	341641	2332.8	03/06/2019

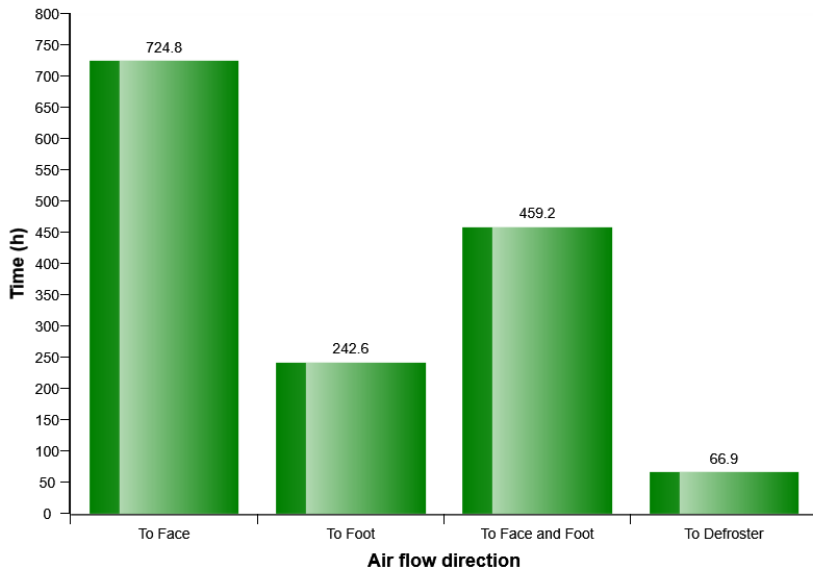


Machine model	SerialNo	Operating Hours	Reading Date
A40G	341641	2332.8	03/06/2019

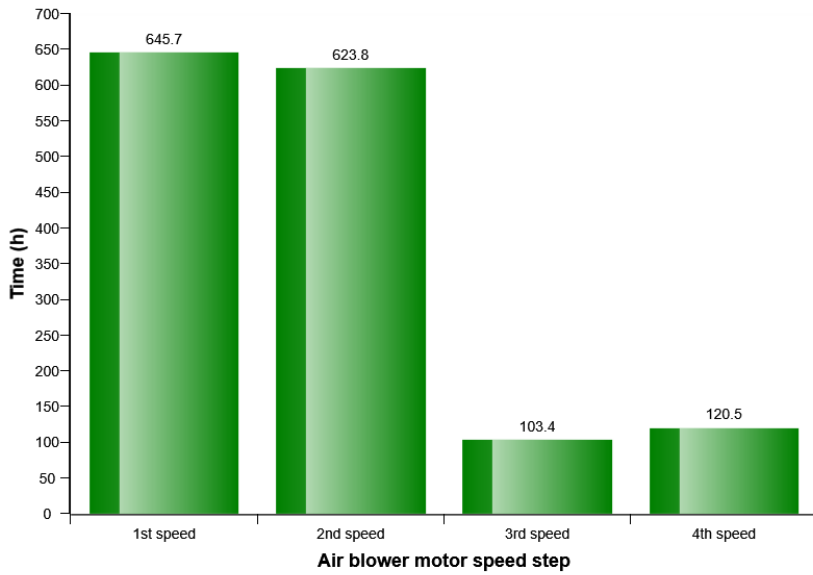


Machine model	SerialNo	Operating Hours	Reading Date
A40G	341641	2332.8	03/06/2019

HVAC air flow direction in manual mode distribution (h)



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



Machine model	SerialNo	Operating Hours	Reading Date
A40G	341641	2332.8	03/06/2019

**AC High Pressure
Total number of occurrences = 1**

Op hours	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
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
1373	2018	8	28	0	48	32	99



Machine model	SerialNo	Operating Hours	Reading Date
A40G	341641	2332.8	03/06/2019

AC System Cut Out Pressure
Total number of occurrences = 10

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
685	2017	12	27	18	51	1289	43
694	2017	12	28	18	45	952	32
709	2001	10	19	5	51	2978	36
710	2001	10	20	5	54	2063	3
729	2001	10	22	5	57	1803	32
738	2001	10	23	5	51	3737	30
745	2001	11	17	5	21	959	32
1779	2002	11	9	19	55	1062	54
1818	2002	11	18	17	38	1	46
1839	2002	11	20	18	33	4	43



Machine model	SerialNo	Operating Hours	Reading Date
A40G	341641	2332.8	03/06/2019

