

VOLVO CONSTRUCTION EQUIPMENT MATRIS REPORT

Machine model A40G	SerialNo 341670	Operating Hours 2006	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

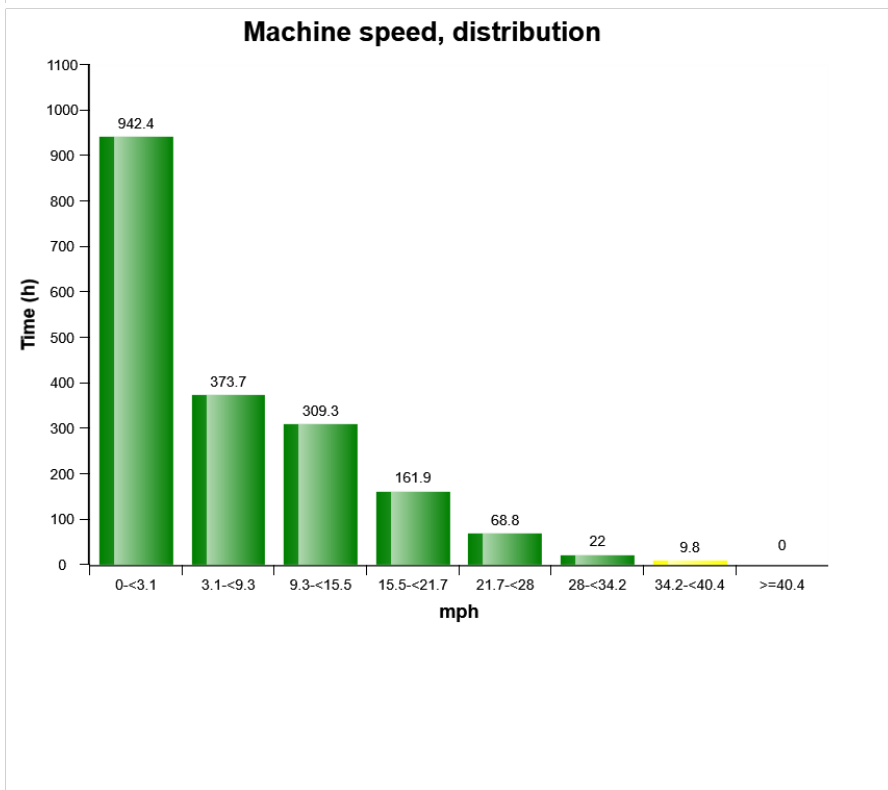
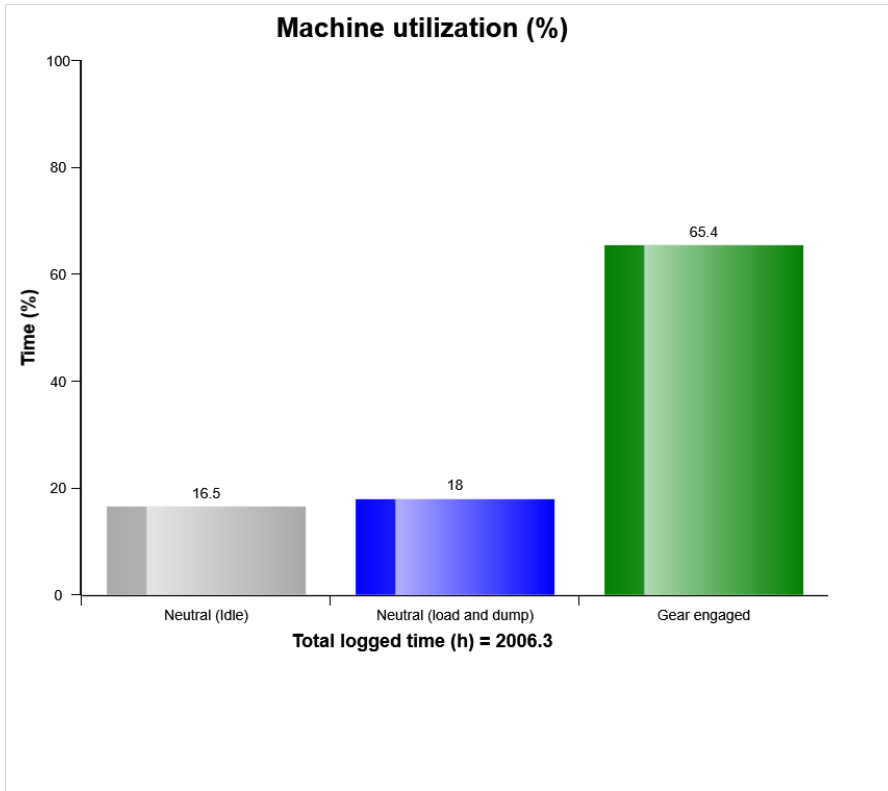


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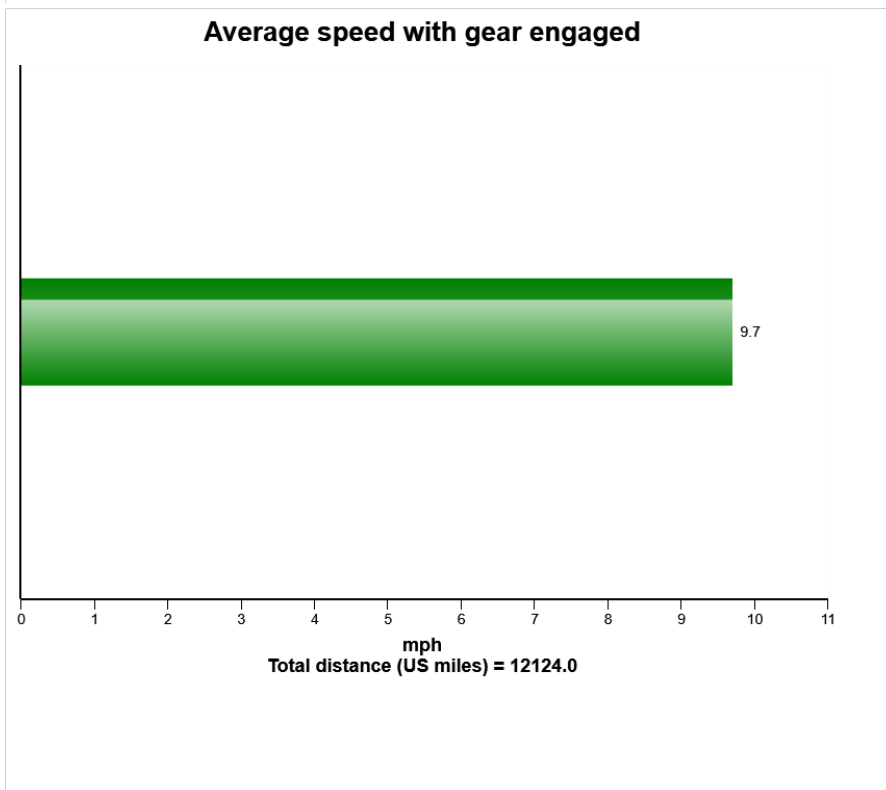
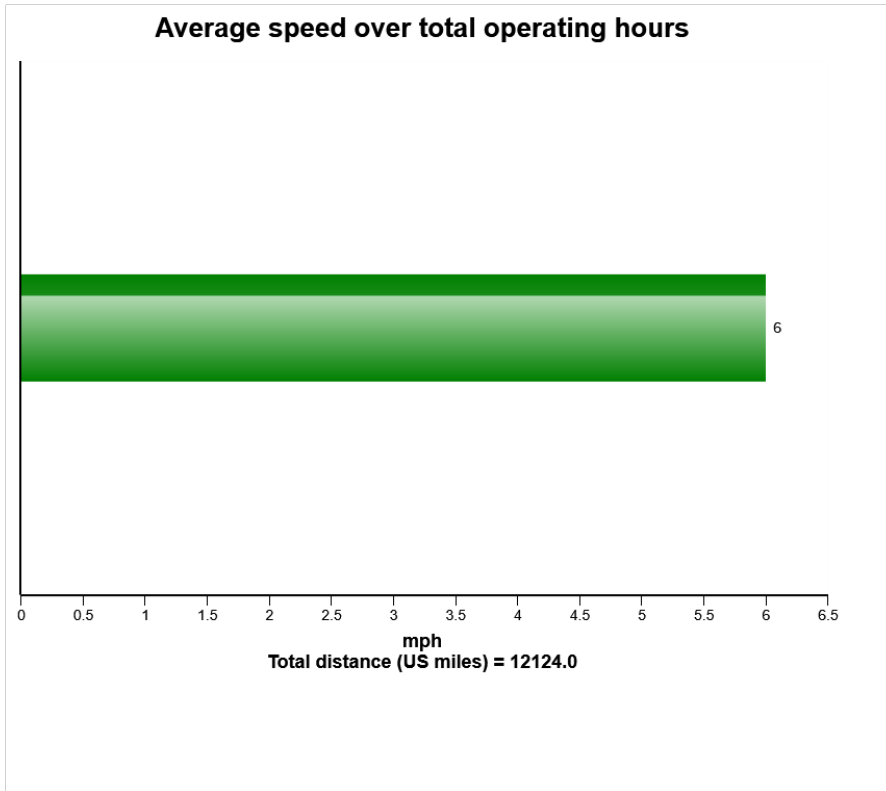
Main equipment	Type	Equipment
	Tyre size/class	Sold without tyres
	Body extensions	Not mounted
	Tail-gate	Not mounted
	Extra spillguard	Not mounted
	Wear plates	Not mounted
	Pattern	None



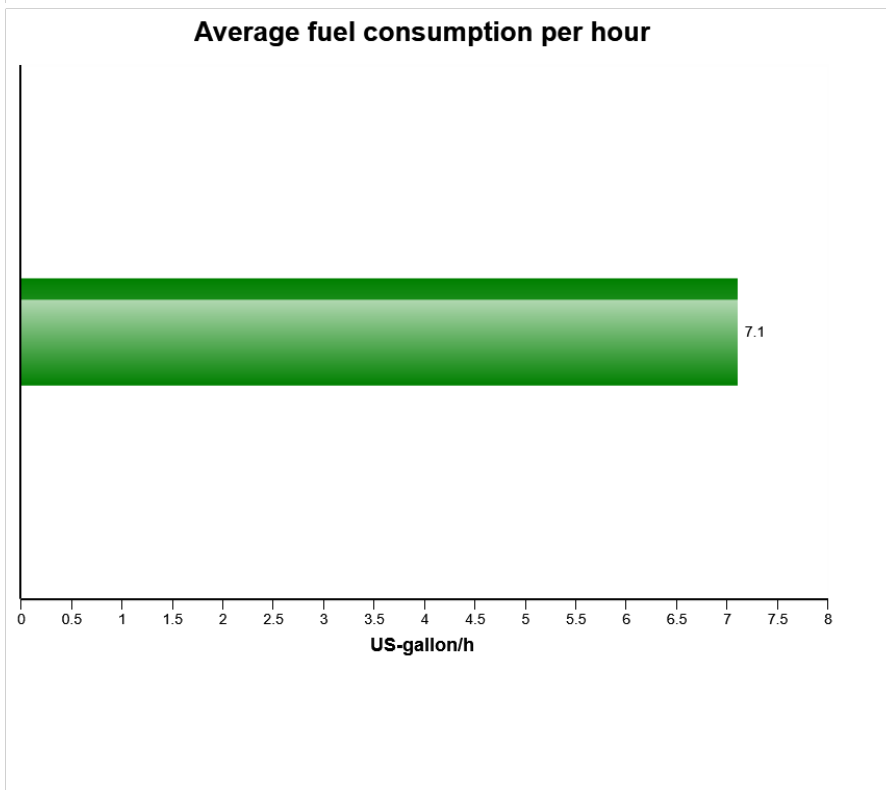
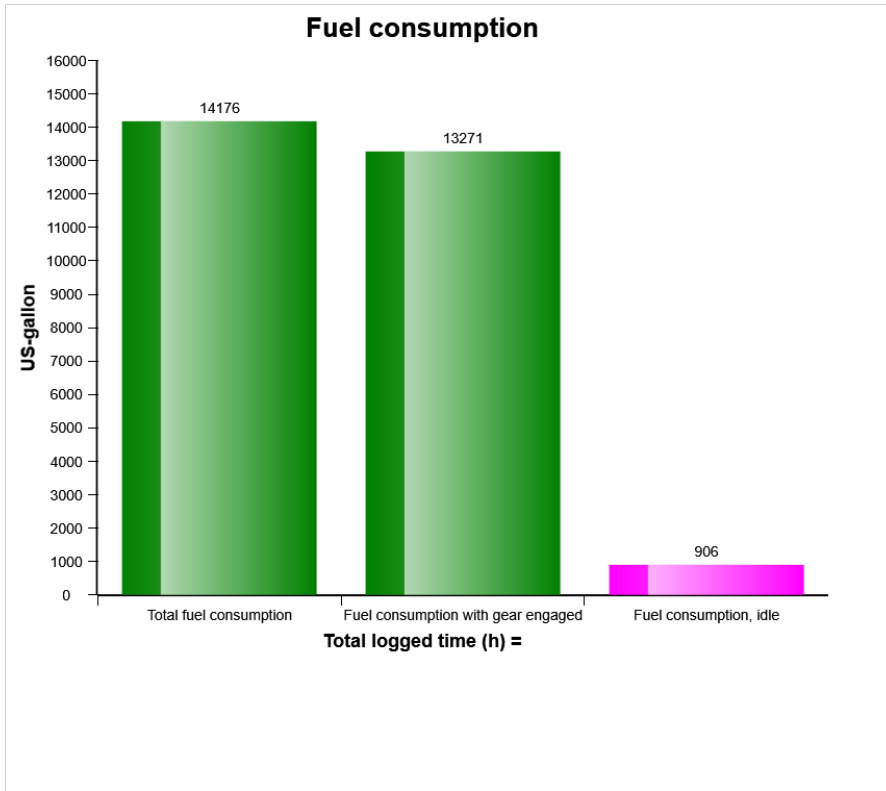
Machine model	SerialNo	Operating Hours	Reading Date
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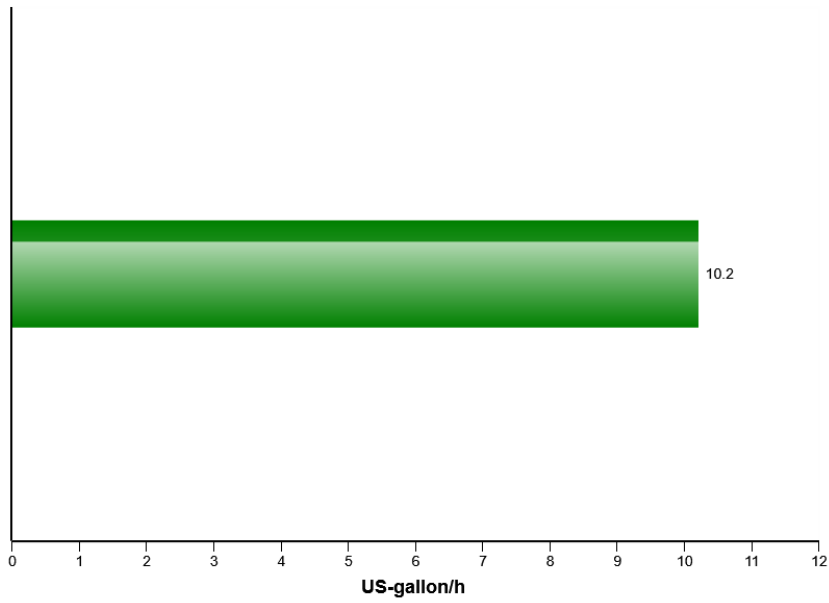


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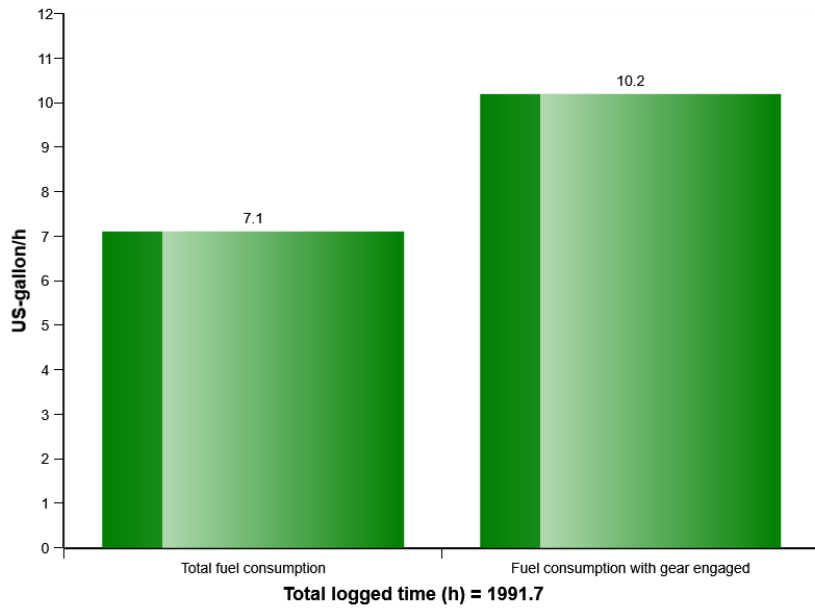


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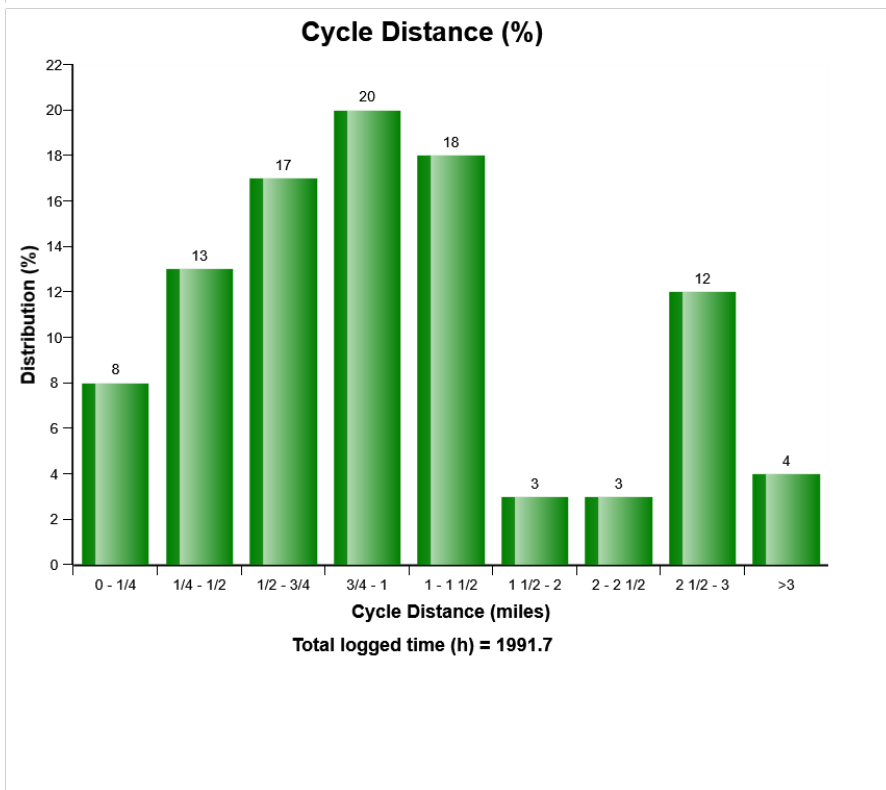
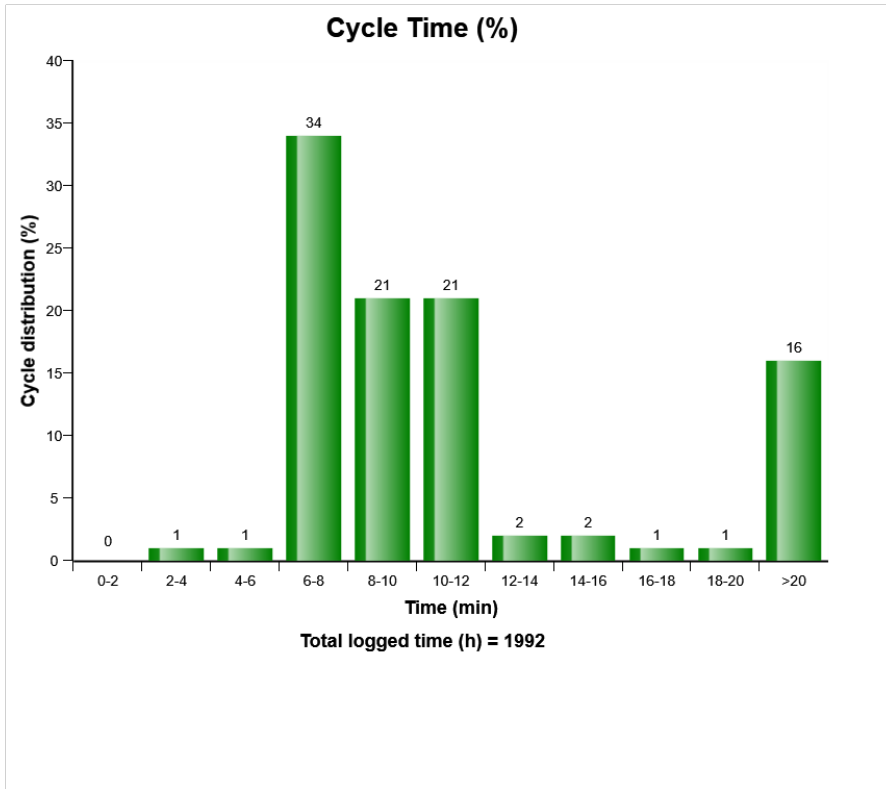
Average fuel consumption per hour with gear engaged



Average fuel consumption



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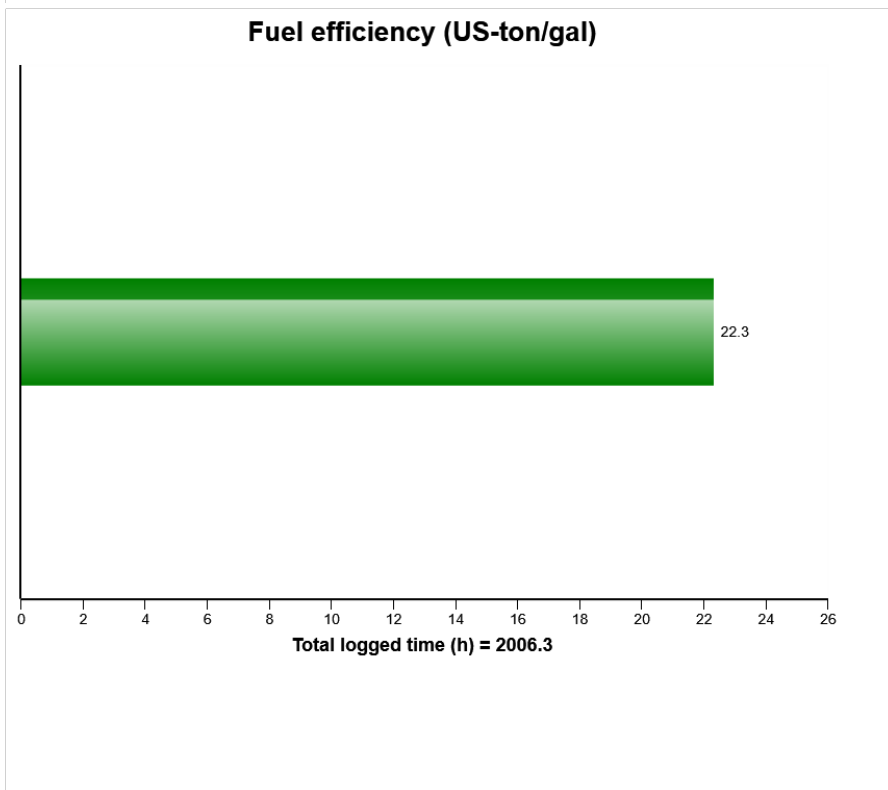
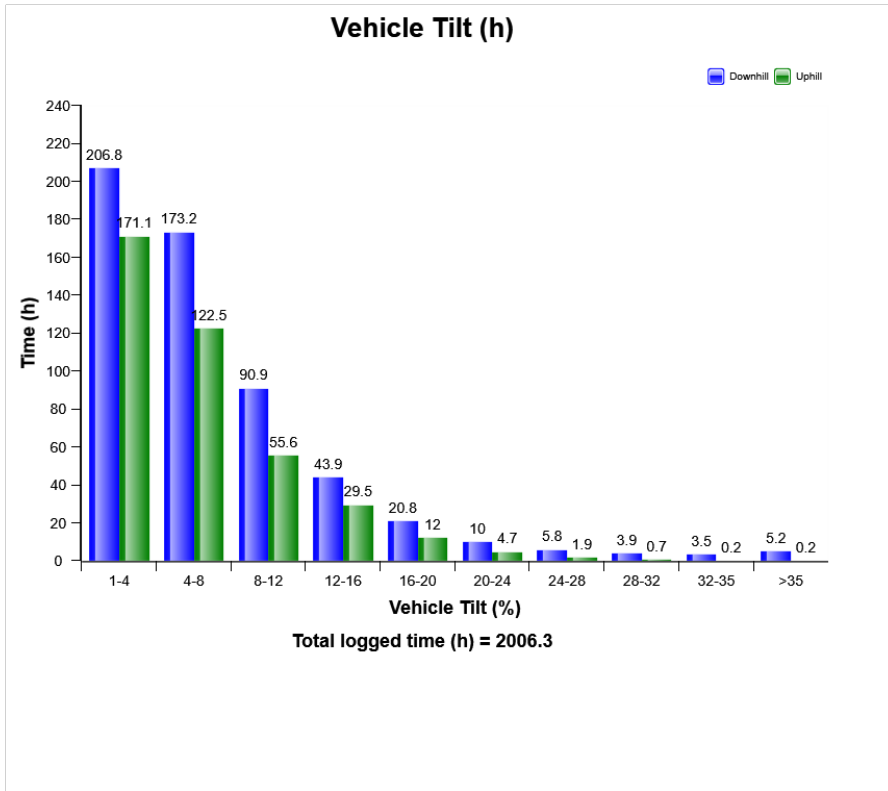
Machine model	SerialNo	Operating Hours	Reading Date
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Accumulated performance
Total logged time (h) =

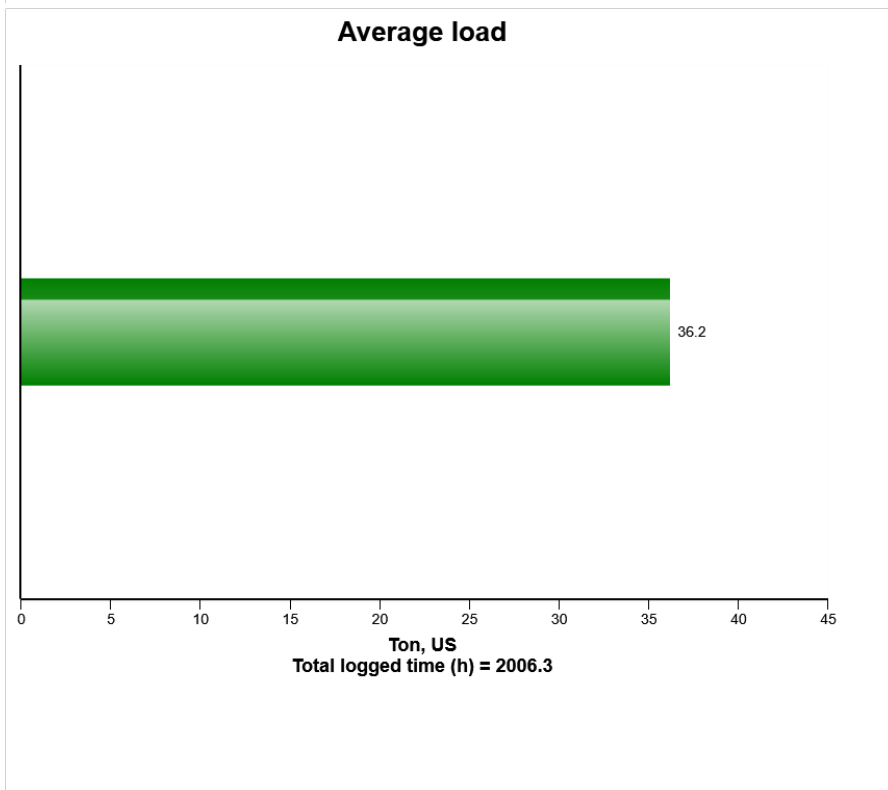
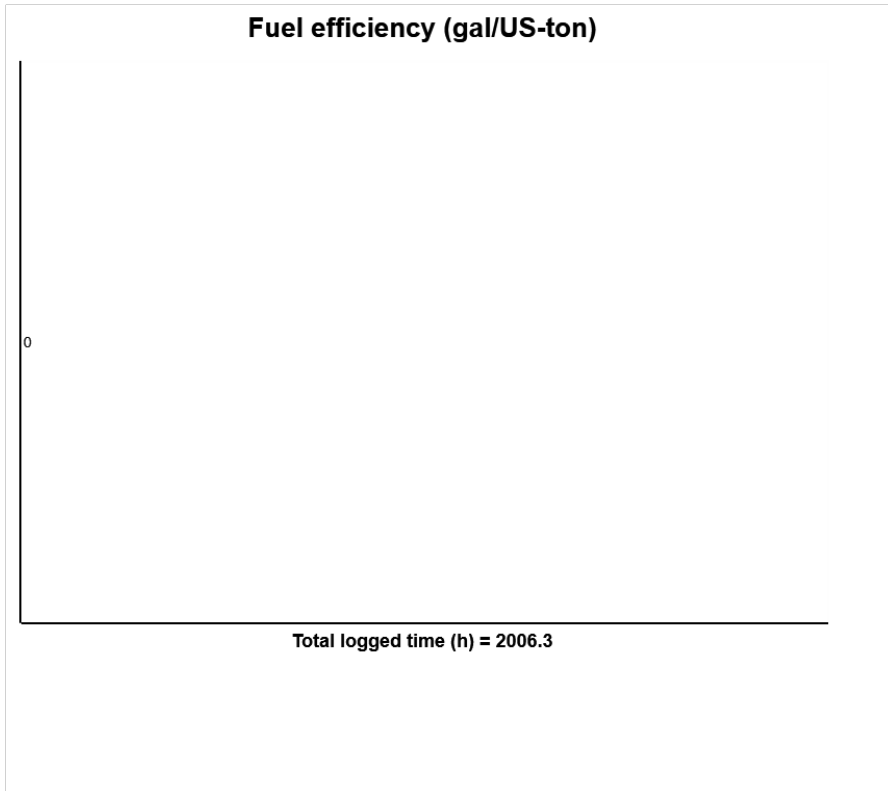
Total logged time (h) =	2006.3
Fuel consumption (US-gallons)	14181
Production (ton,US)	316433
Ton/h	157.7
Ton/gal	22.3
Fuel efficiency (US Gal/ton)	0.04
Number of cycles	8737
Cycles overloaded (%)	0
Load utilisation / cycle (%)	84



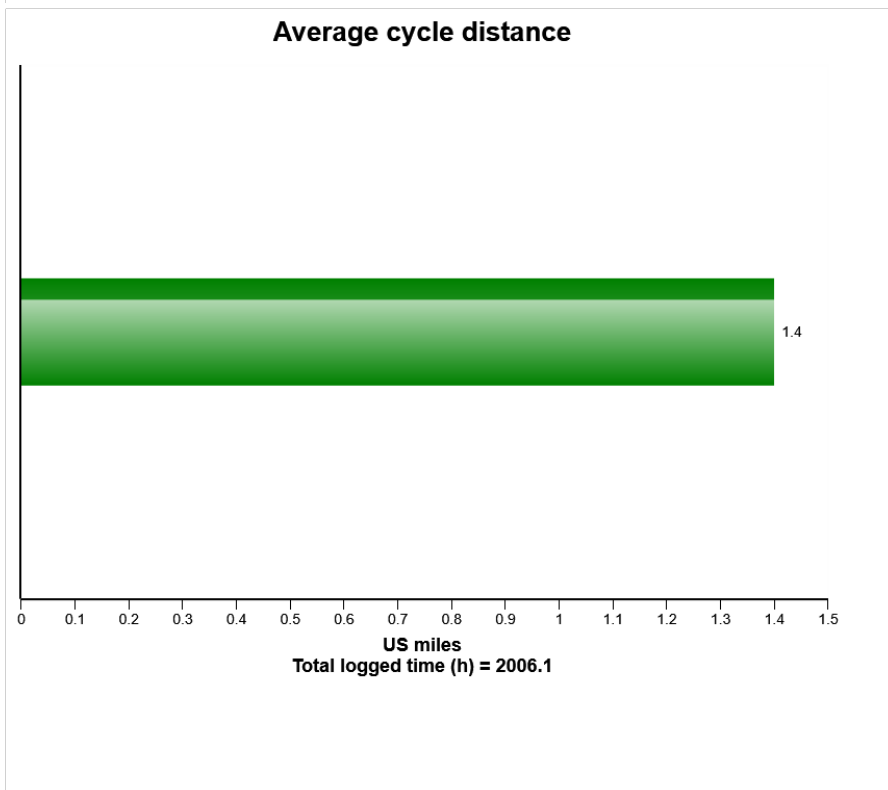
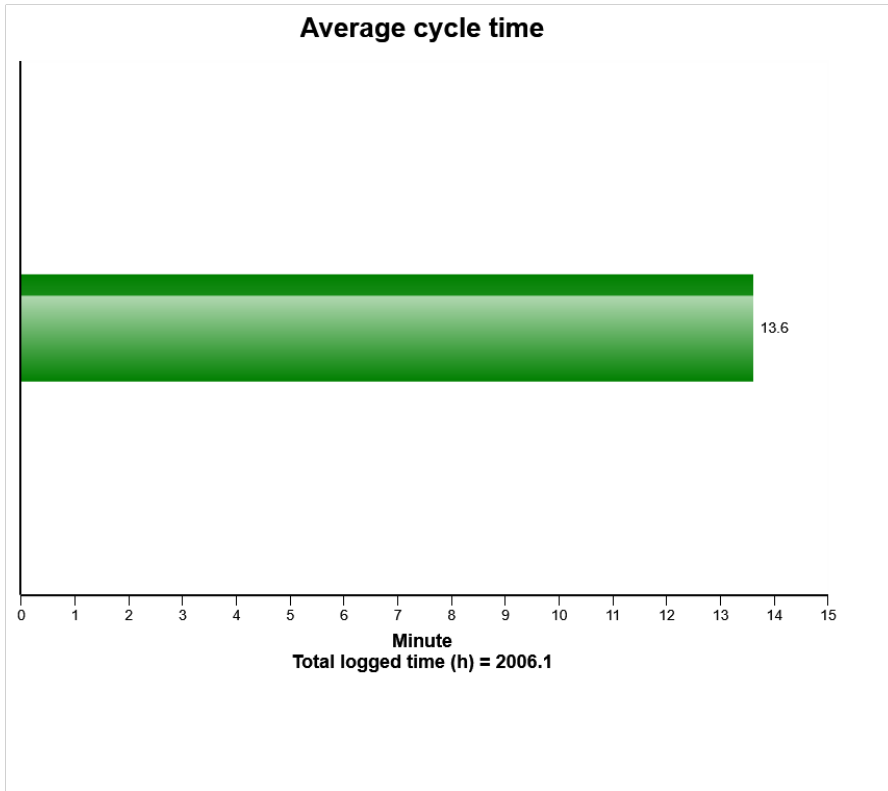
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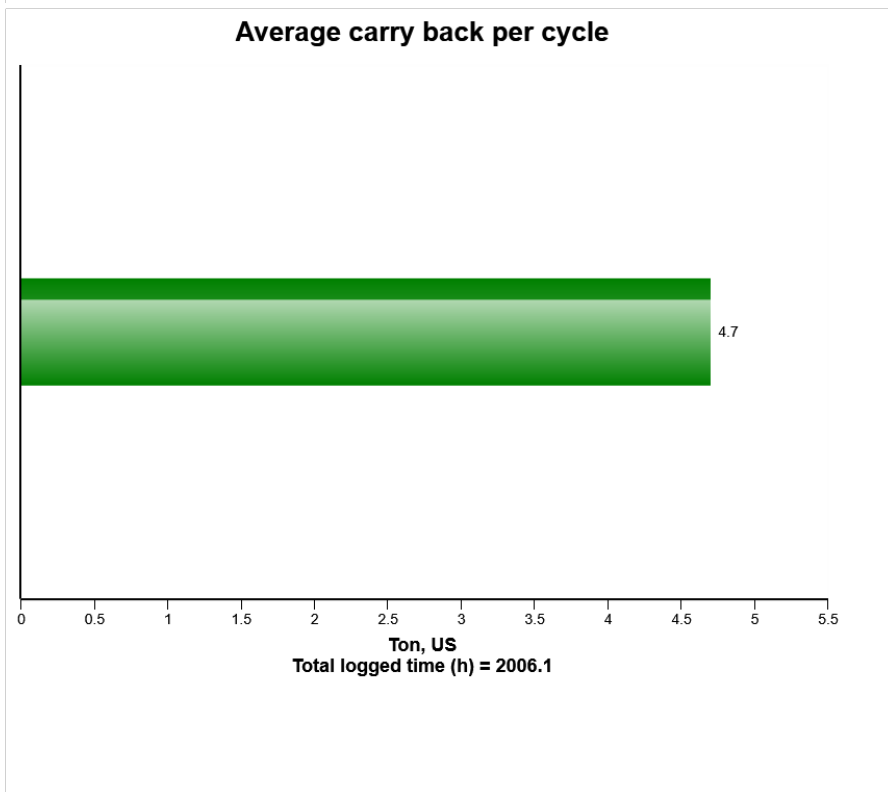
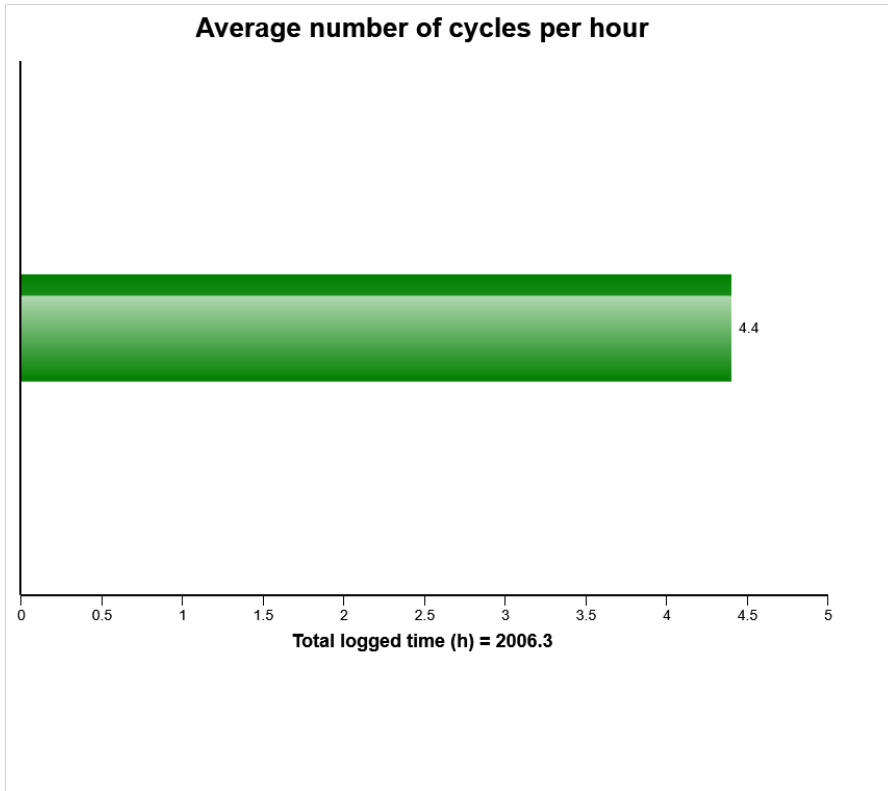
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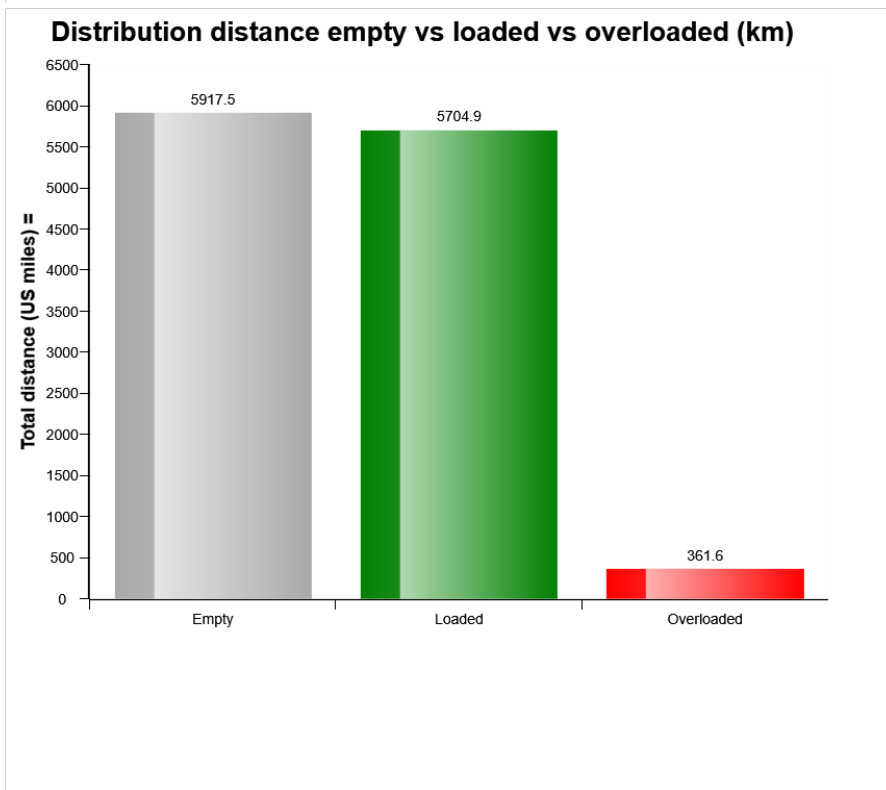
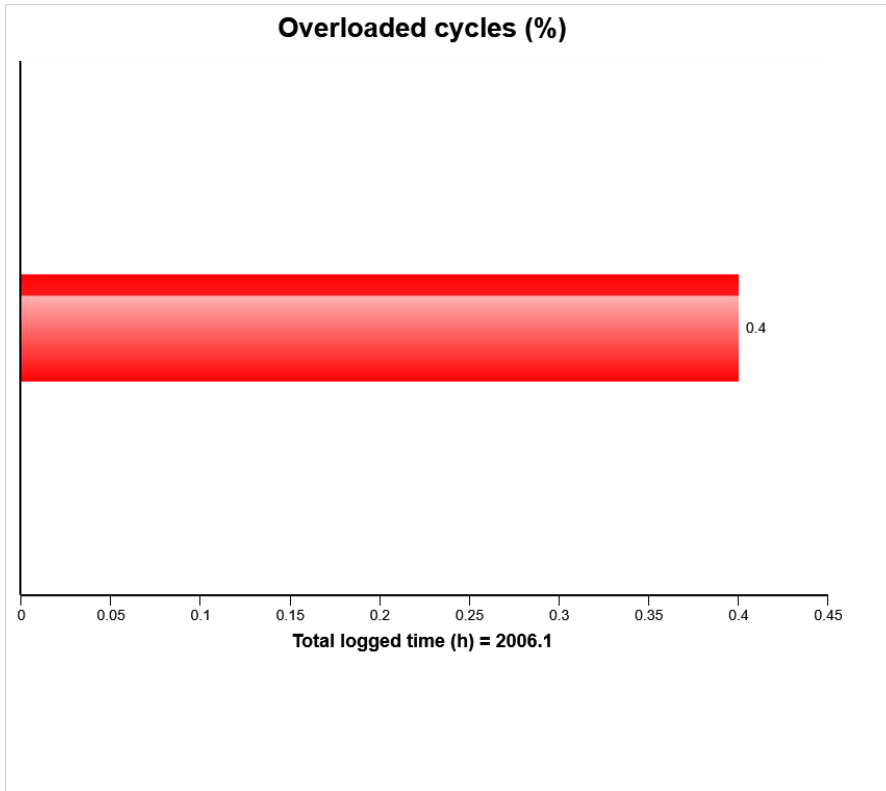
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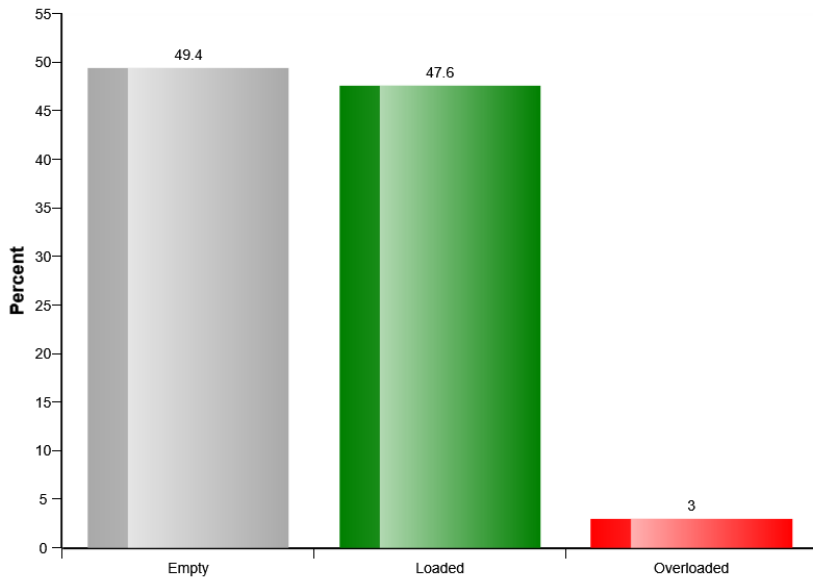


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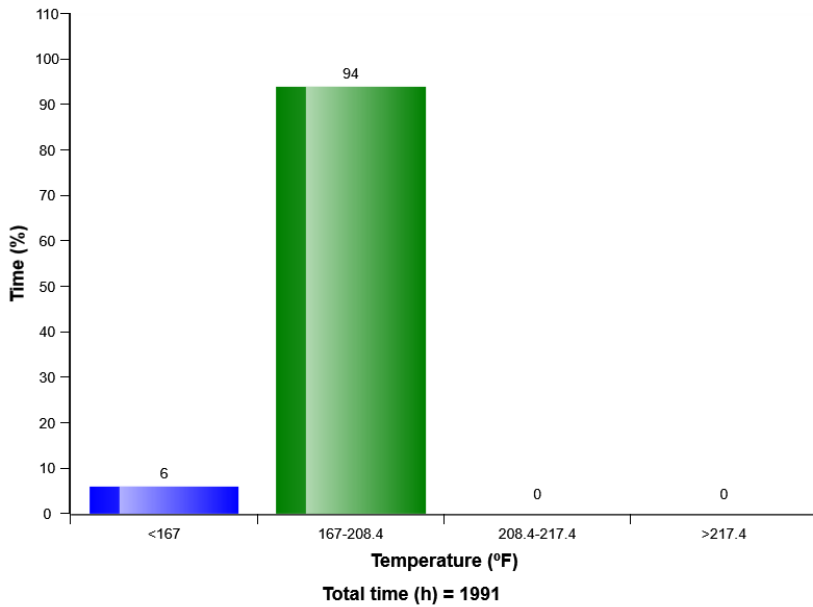


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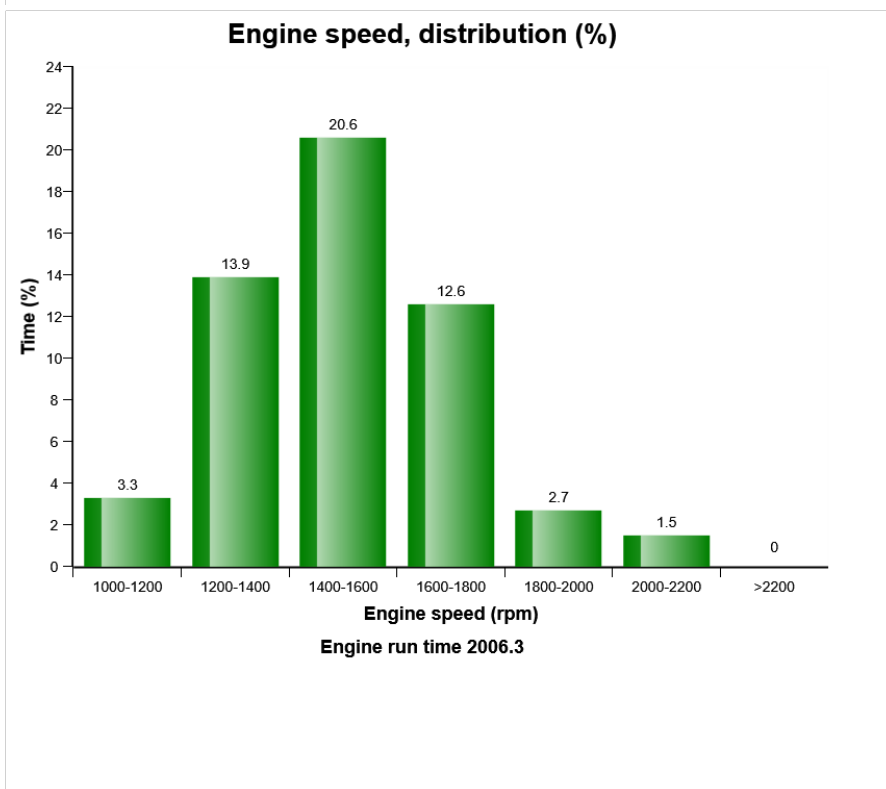
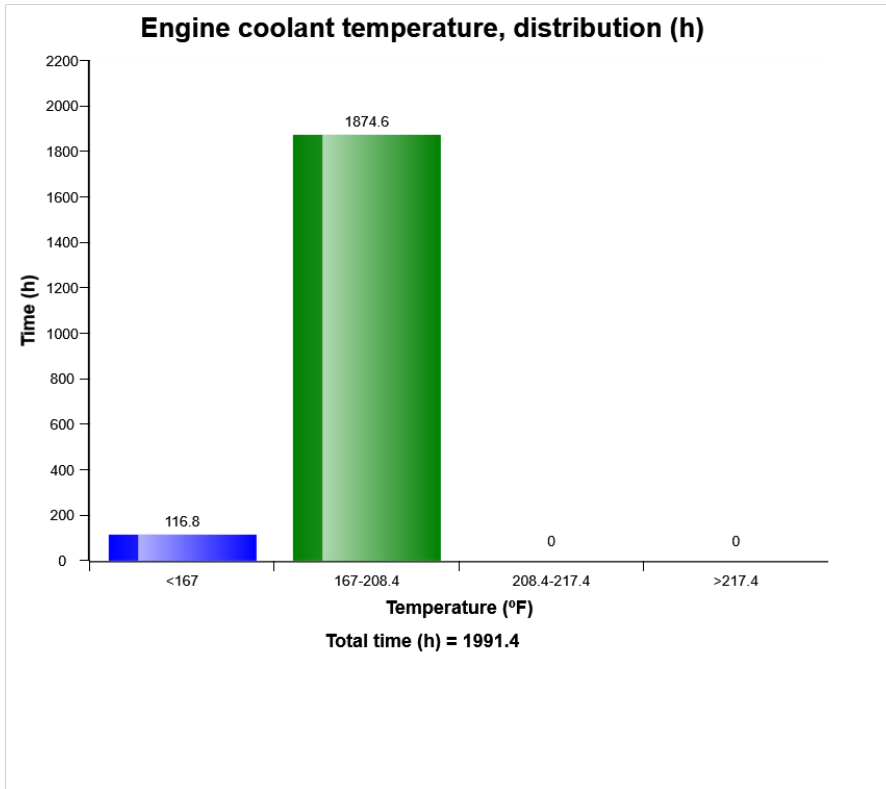
Distribution distance empty vs loaded vs overloaded (%)



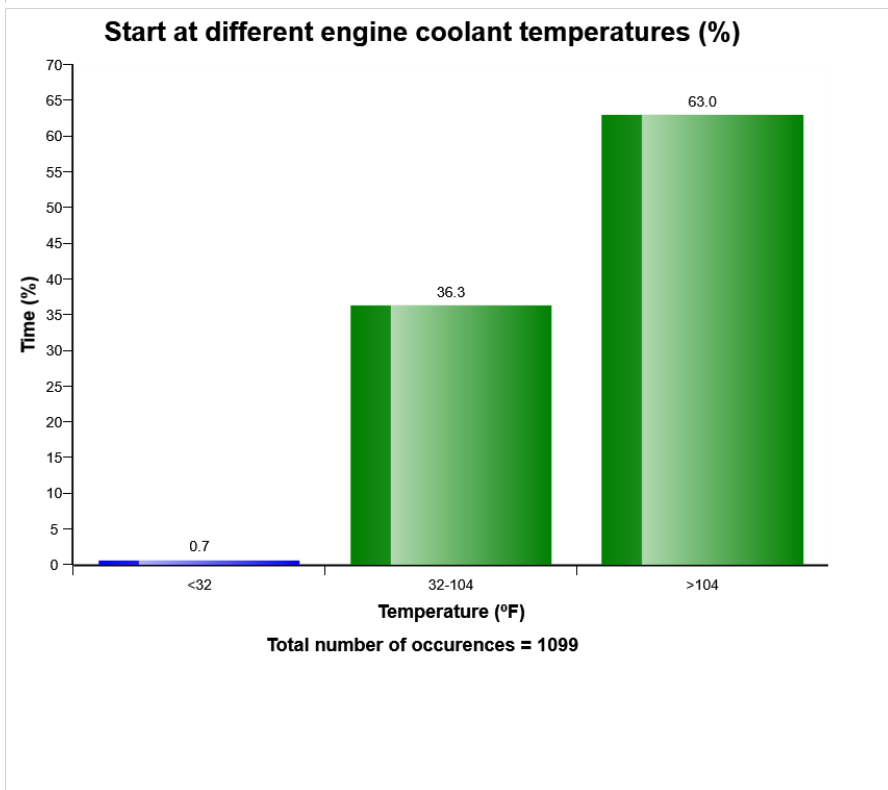
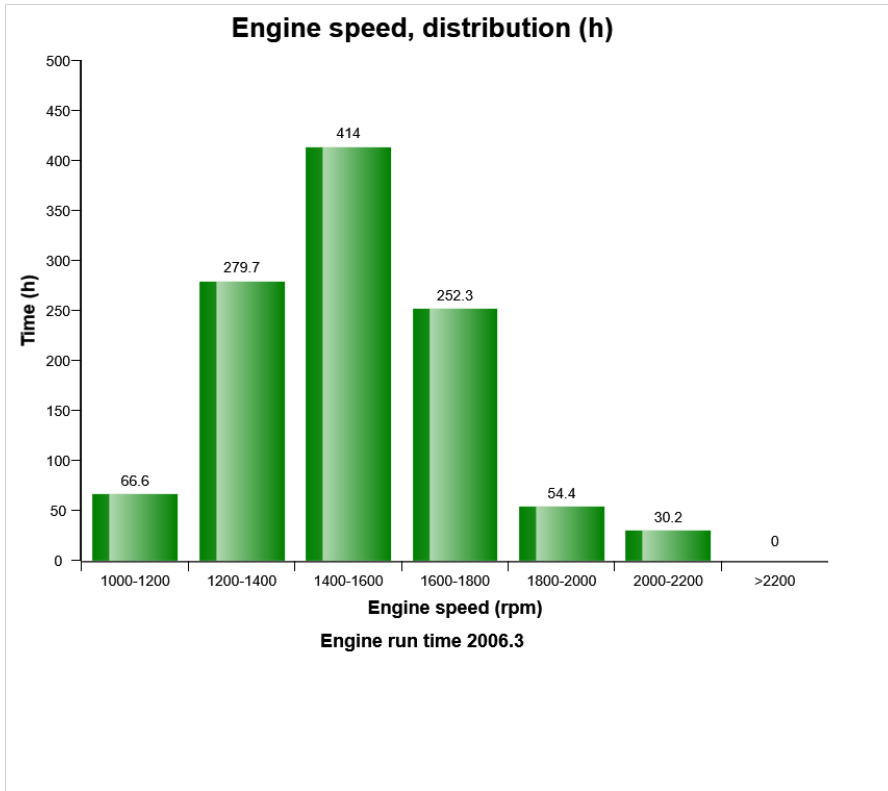
Engine coolant temperature, distribution (%)



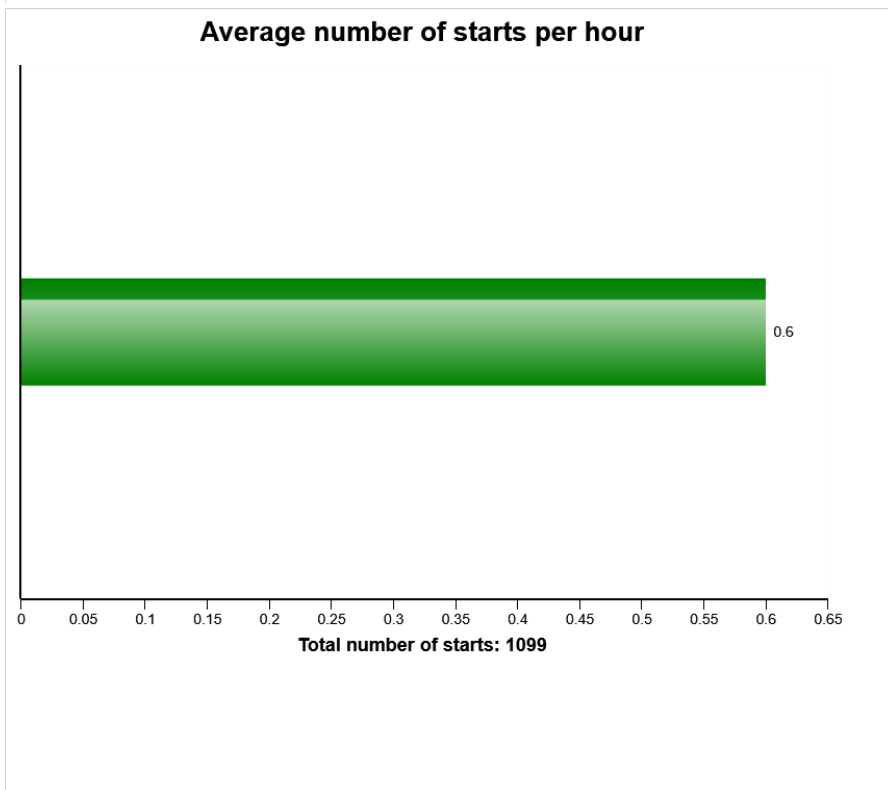
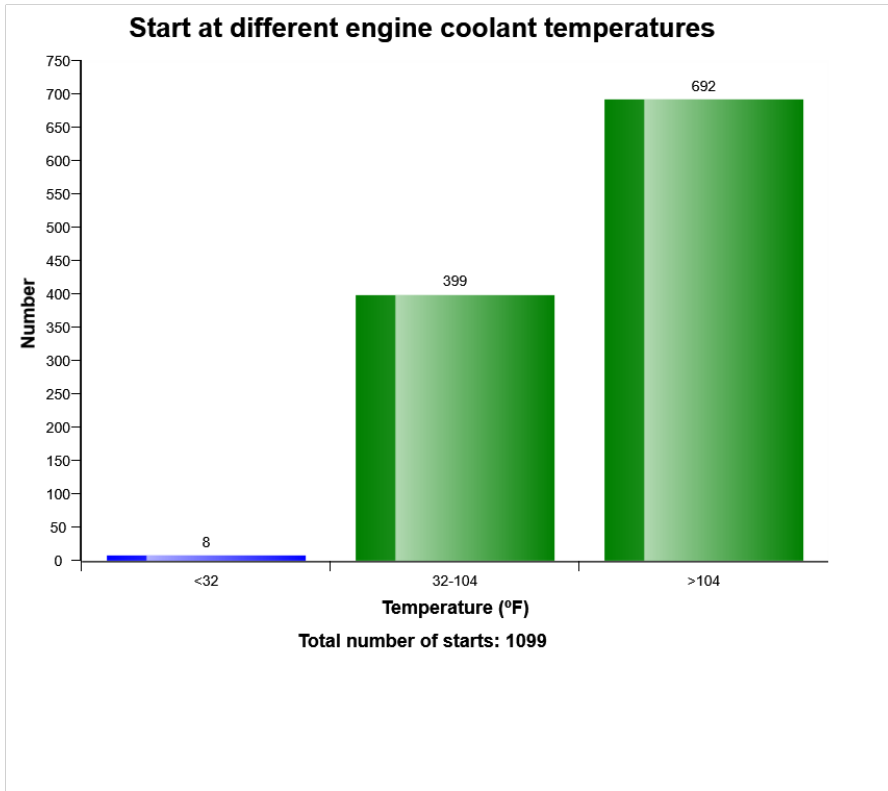
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**High engine coolant temperature
Total number of occurrences = 0**

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

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



Machine model	SerialNo	Operating Hours	Reading Date
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Starter overheating
Total number of occurrences = 0

Op hours	Year	Month	Day	Hour	Minute
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0
0	2000	0	0	0	0



Machine model	SerialNo	Operating Hours	Reading Date
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Low Air filter pressure
Total number of occurrences = 0

Op hours	Year	Month	Day	Hour	Minute	Duration (sec)
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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**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



Machine model	SerialNo	Operating Hours	Reading Date
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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



Machine model	SerialNo	Operating Hours	Reading Date
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Regeneration duration
Total number of occurrences = 11

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
498	2017	11	17	7	5	18
498	2017	11	17	7	36	28
498	2017	11	17	7	25	9
666	2018	1	5	13	18	66
778	2018	3	9	10	12	47
851	2018	3	28	8	19	44
958	2018	5	7	8	27	43
1262	2018	9	25	10	31	45
1342	2018	11	1	13	38	44
1843	2019	4	29	13	28	28
1843	2019	4	29	12	48	39



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 = 0

Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme value
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
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



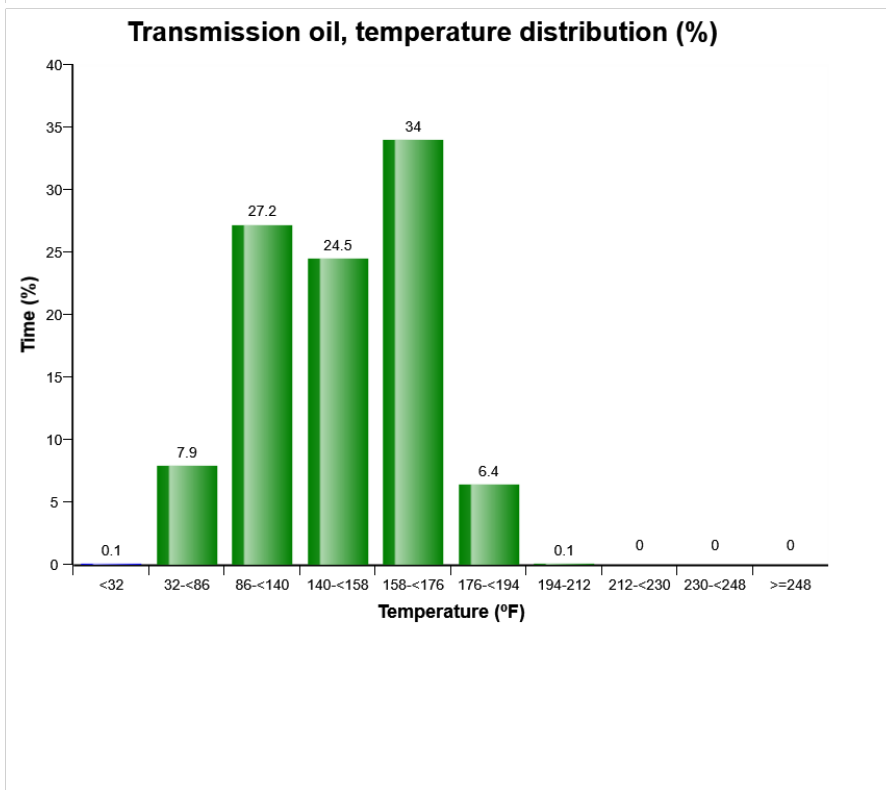
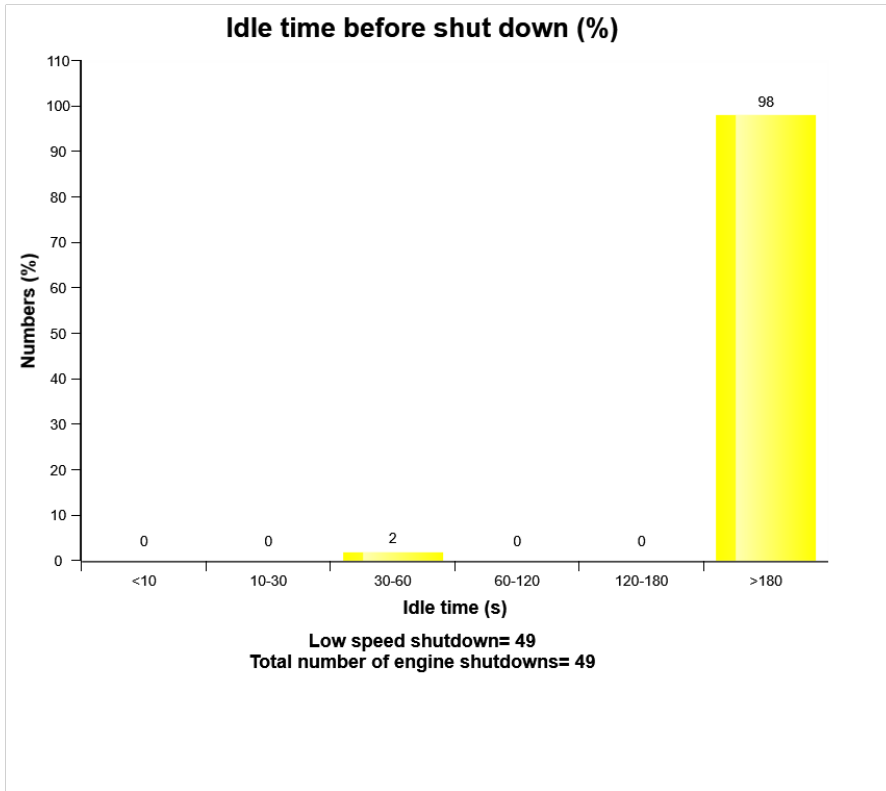
Machine model	SerialNo	Operating Hours	Reading Date
A40G	341670	2006	03/06/2019

Low voltage
Total number of occurrences = 0

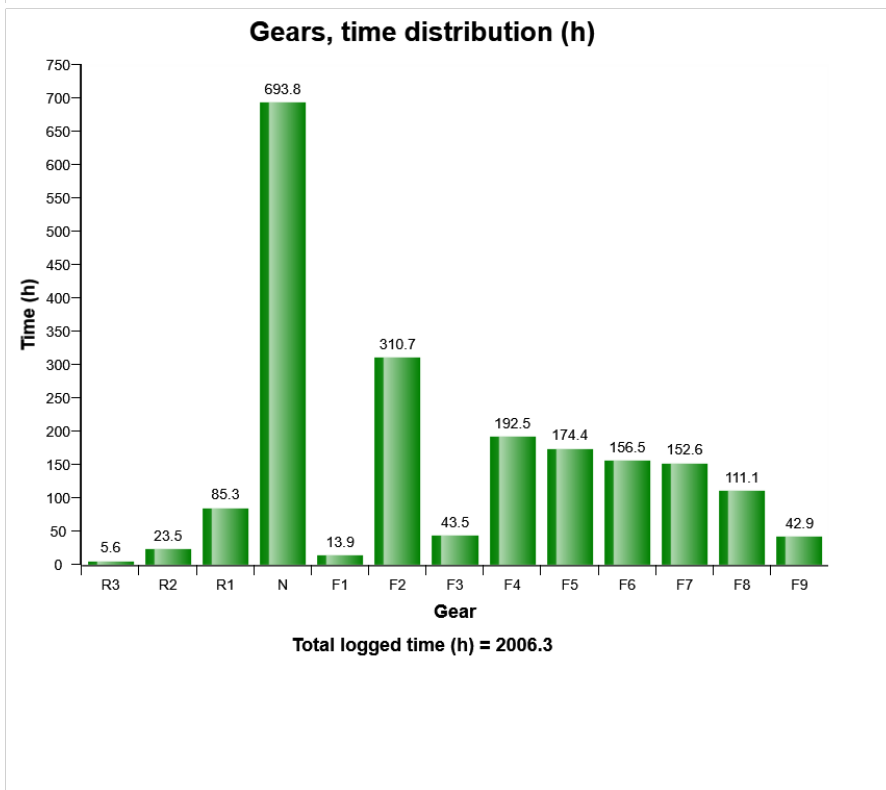
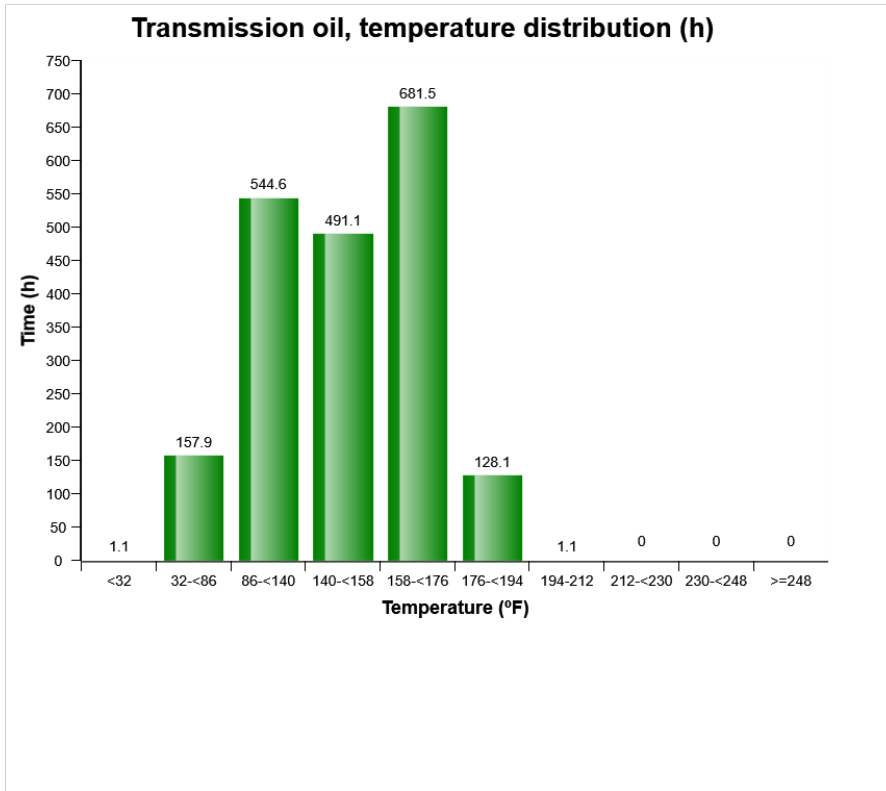
Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme value
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	0	0	0	0	0	0.0
0	2000	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
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



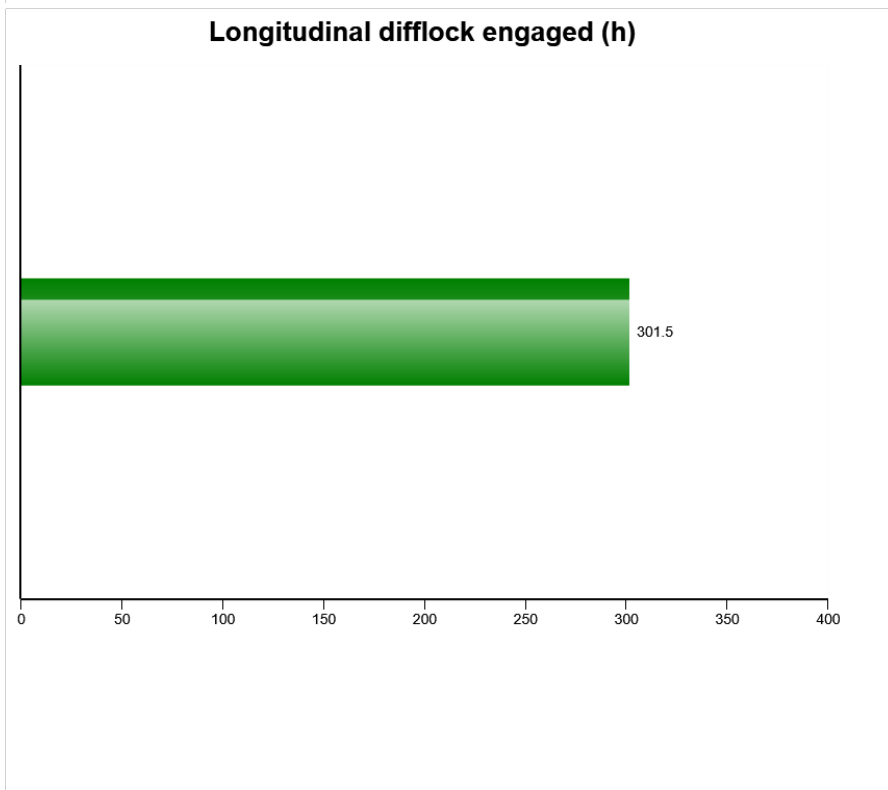
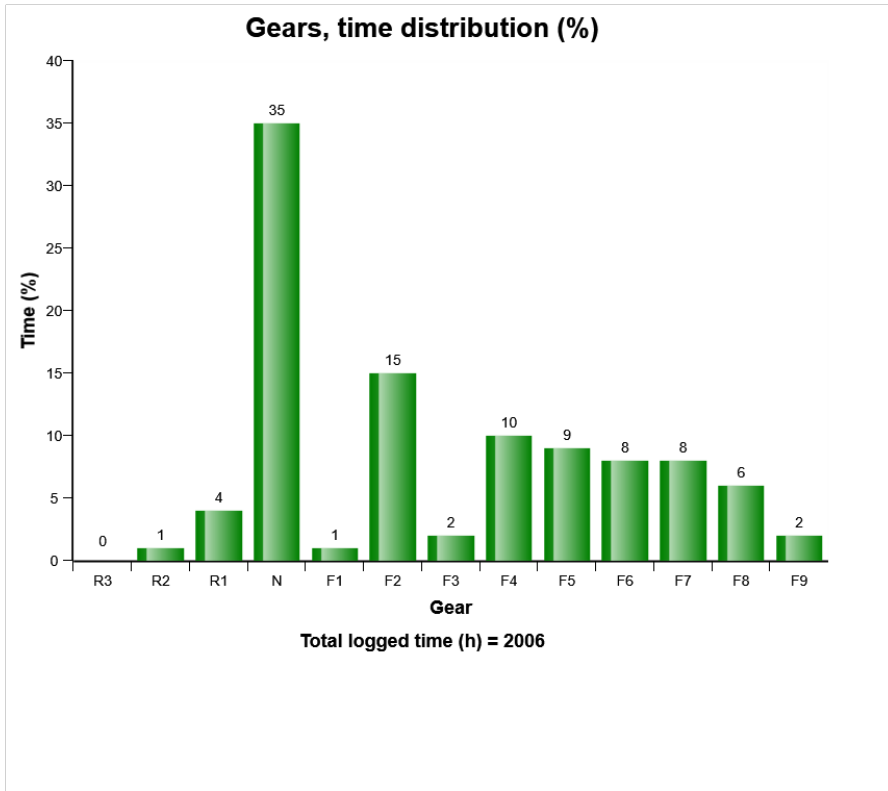
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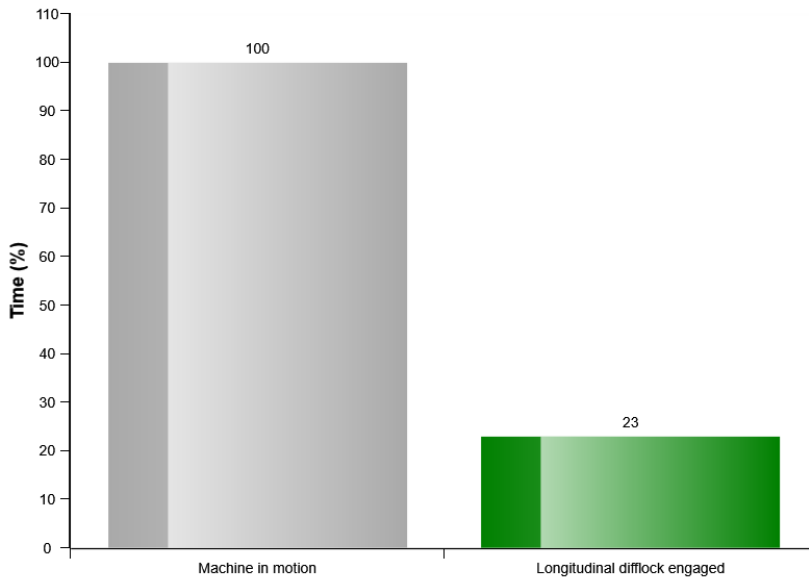
**Transmission oil pressure low
Total number of occurrences = 20**

Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme (psi)
205	2017	8	30	11	5	0	1632
635	2017	12	29	12	45	0	1530
681	2018	1	24	11	10	30	706
682	2018	1	24	14	29	0	3002
682	2018	1	24	14	53	0	3002
915	2018	4	23	14	30	0	2970
947	2018	5	2	17	6	0	1195
1036	2018	5	21	15	22	0	2949
1064	2018	5	30	8	18	0	2954
1078	2018	6	6	10	7	0	2965
1183	2018	9	4	14	43	10	2831
1184	2018	9	4	15	19	10	2875
1185	2018	9	4	16	11	0	2901
1188	2018	9	5	8	32	70	2923
1189	2018	9	5	9	24	10	2885
1190	2018	9	5	10	42	0	2938
1898	2019	5	3	16	55	0	2879
1905	2019	5	7	14	28	0	2943
1905	2019	5	7	15	14	0	2959
1912	2019	5	8	12	50	0	2959

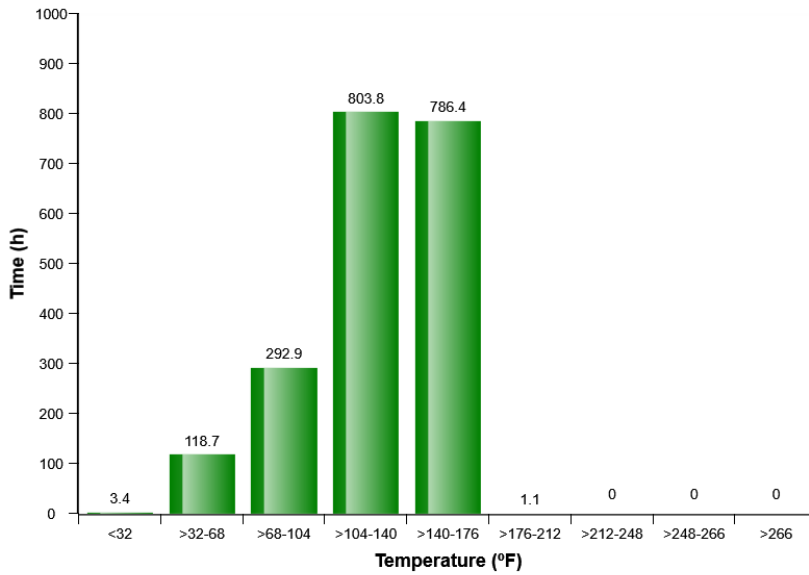


Machine model	SerialNo	Operating Hours	Reading Date
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Longitudinal difflock use related to machine in motion (%)

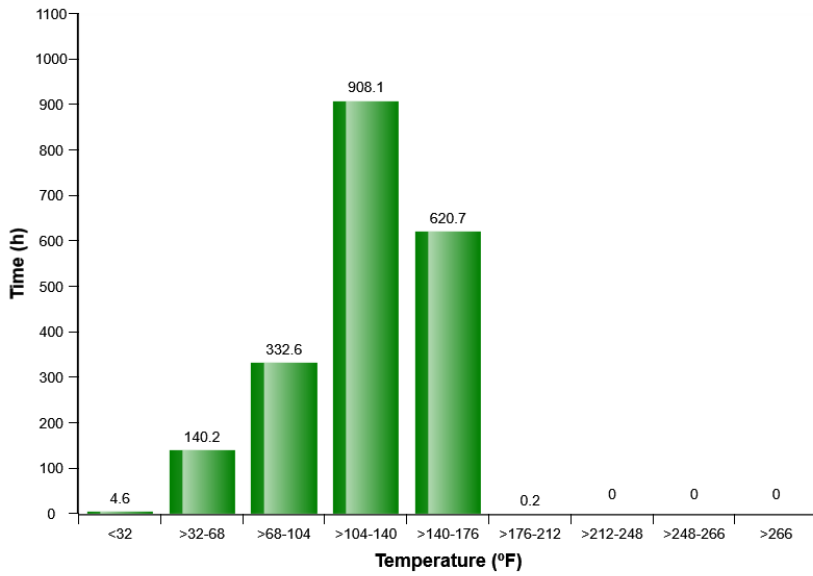


Service brake cooling oil, front axle temperature

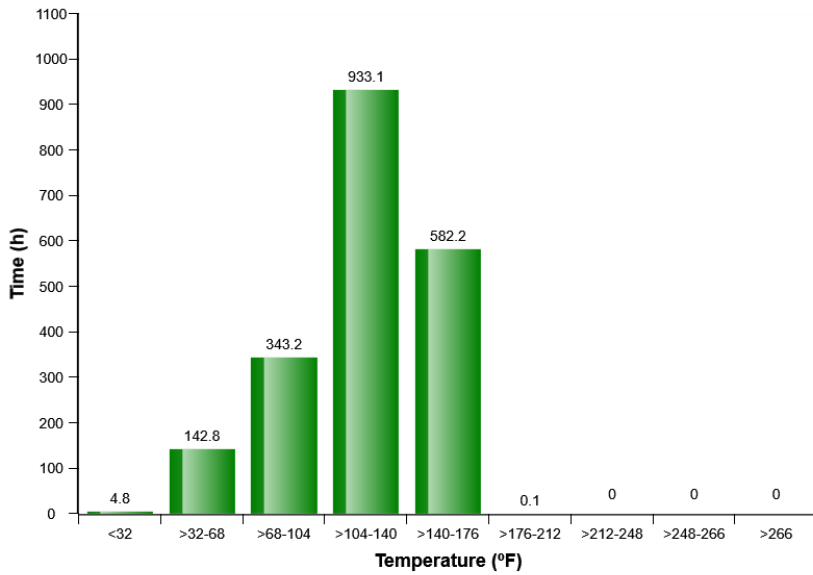


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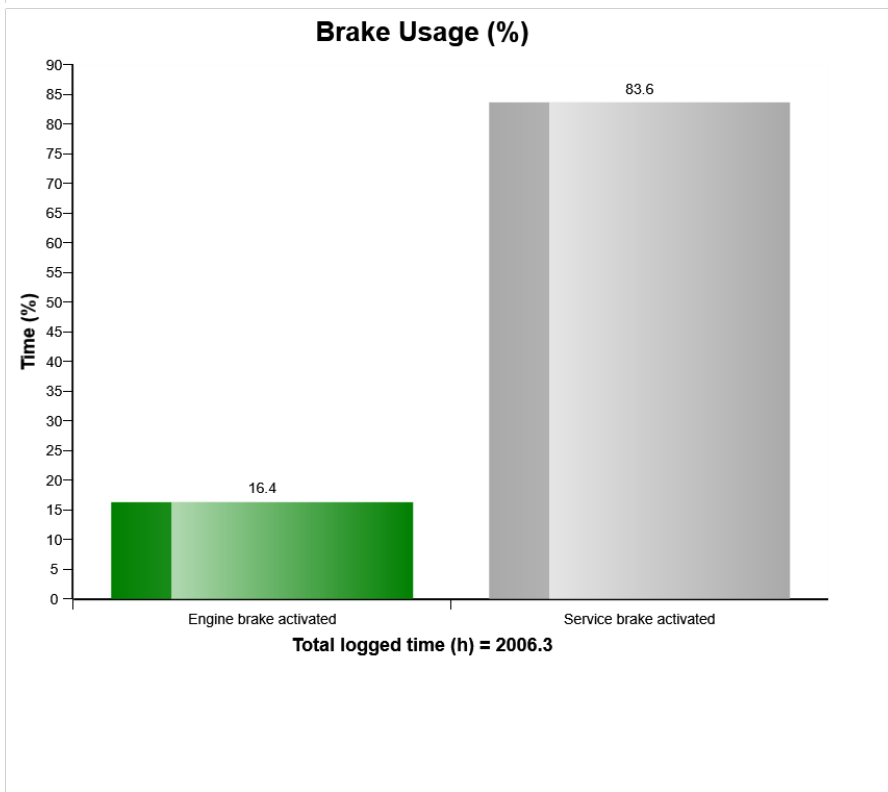
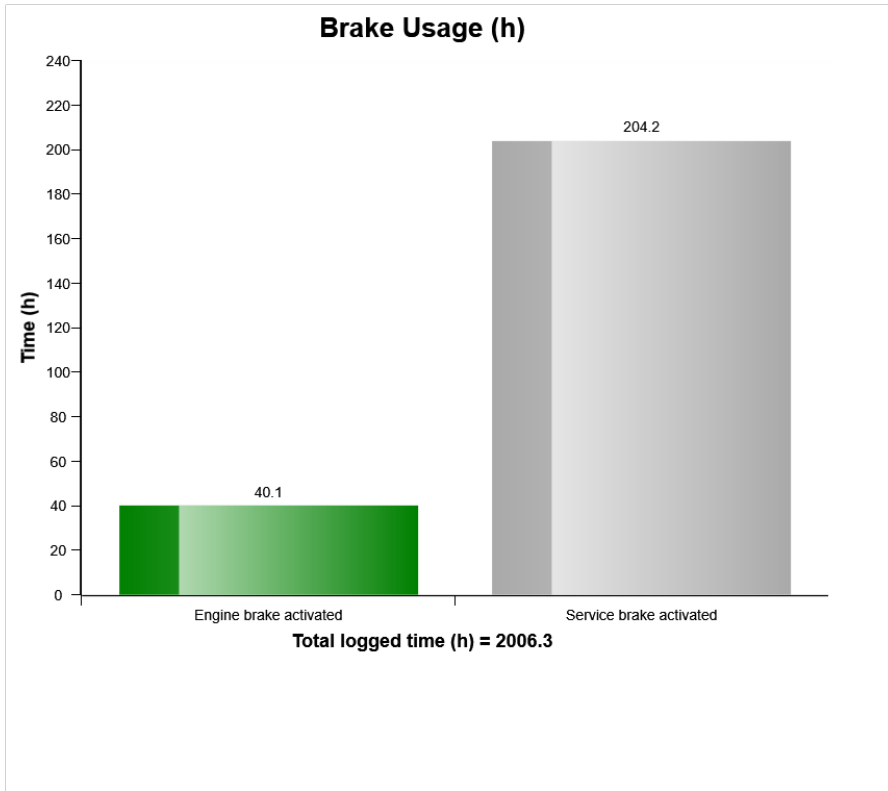
Service brake cooling oil, first bogie axle temperature



Service brake cooling oil, second bogie axle temperature



Machine model	SerialNo	Operating Hours	Reading Date
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Machine model	SerialNo	Operating Hours	Reading Date
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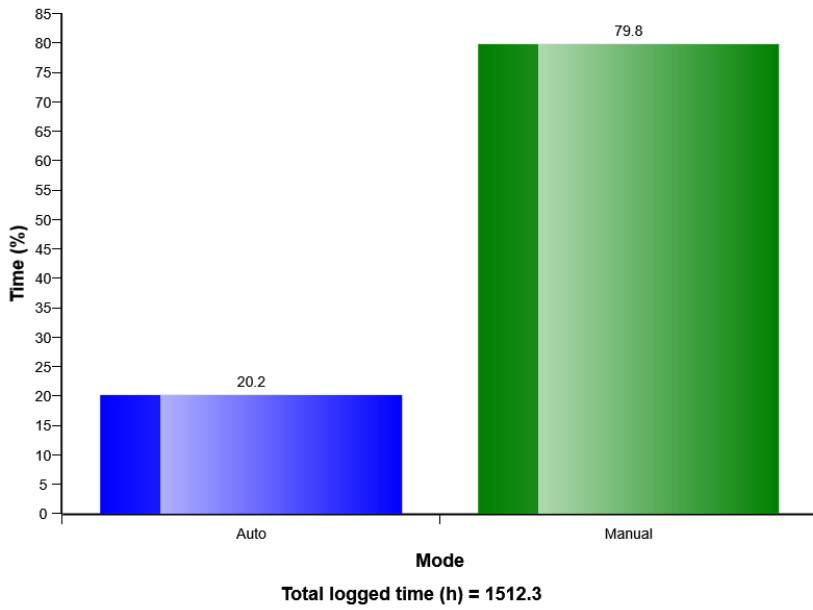
Low Brake Servo Pressure
Total number of occurrences = 7

	Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme (psi)
H	0	2000	0	0	0	0	0	0
I	0	2000	0	0	0	0	0	0
J	0	2000	0	0	0	0	0	0
A	1	2017	1	21	16	33	0	2163
B	1	2017	1	31	15	6	0	2169
C	1063	2018	5	30	7	13	0	2076
D	1091	2018	7	11	9	12	0	2151
E	1097	2018	8	17	13	51	0	2182
F	1233	2018	9	12	7	46	0	2145
G	1304	2018	10	4	10	51	0	2287

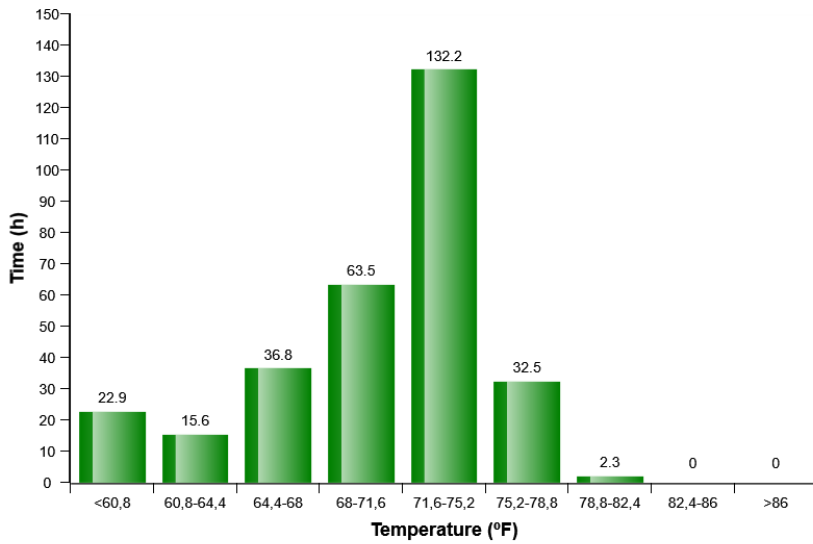


Machine model	SerialNo	Operating Hours	Reading Date
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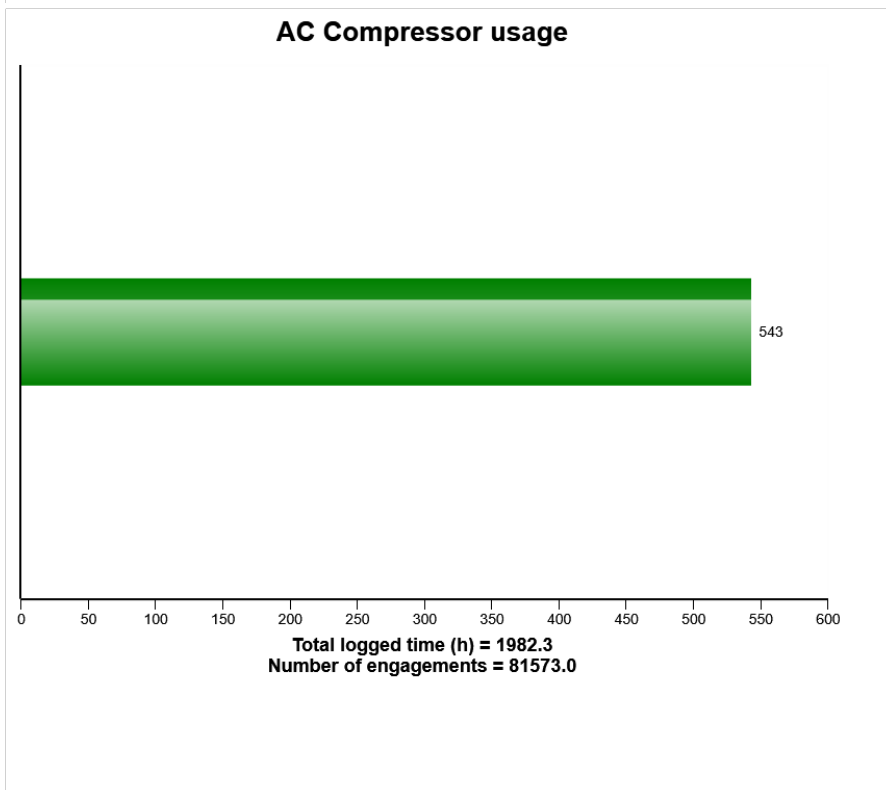
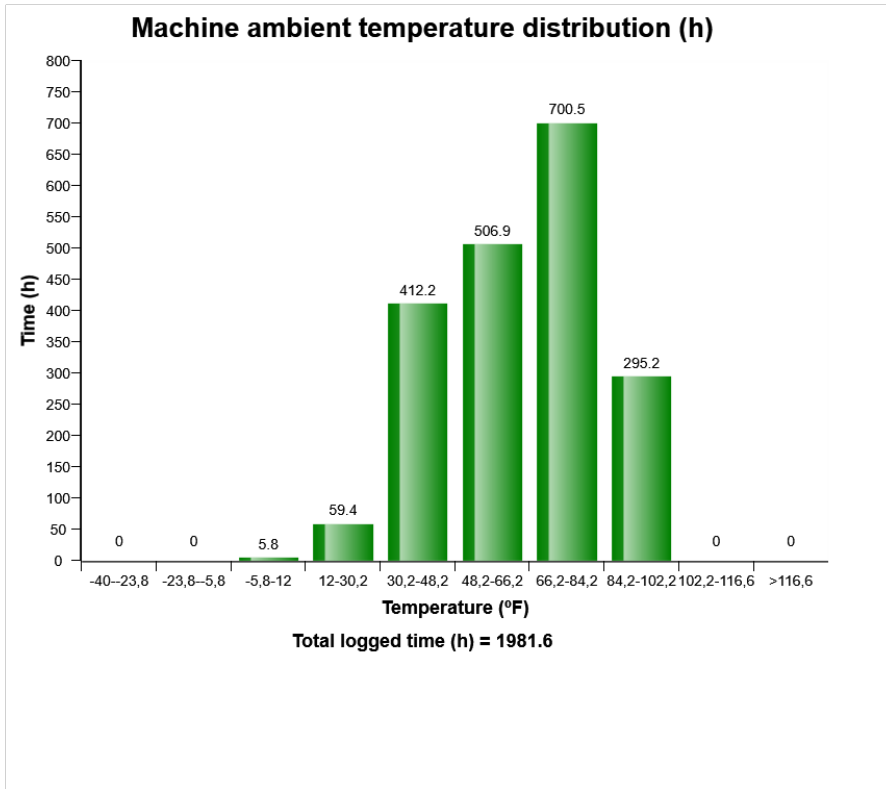
HVAC Auto - Manual mode selection distribution (%)



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

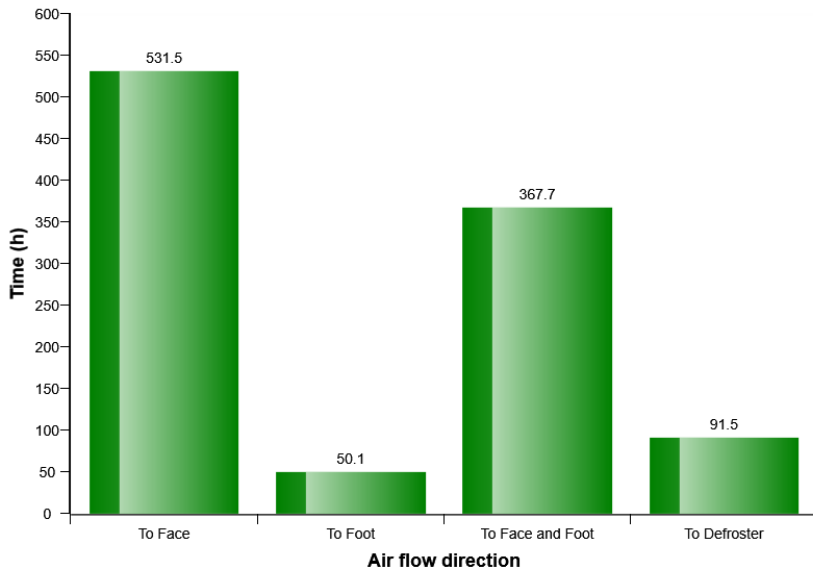


Machine model	SerialNo	Operating Hours	Reading Date
A40G	341670	2006	03/06/2019

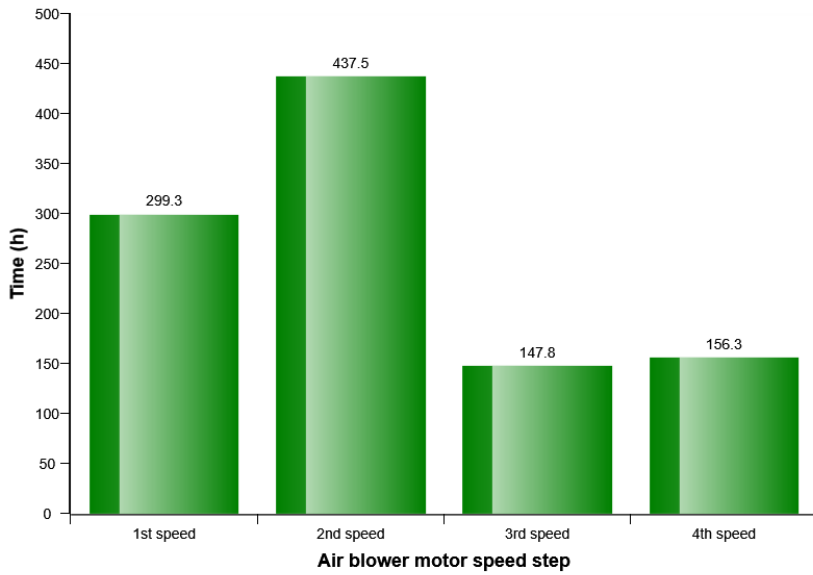


Machine model	SerialNo	Operating Hours	Reading Date
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HVAC air flow direction in manual mode distribution (h)



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



Machine model	SerialNo	Operating Hours	Reading Date
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AC High Pressure
Total number of occurrences = 0

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
0	2000	0	0	0	0	0	32
0	2000	0	0	0	0	0	32
0	2000	0	0	0	0	0	32



Machine model	SerialNo	Operating Hours	Reading Date
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**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
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



Machine model	SerialNo	Operating Hours	Reading Date
A40G	341670	2006	03/06/2019

AC System Cut Out Pressure
Total number of occurrences = 11

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
621	2017	12	28	6	47	560	41
631	2017	12	29	6	42	989	32
644	2001	10	19	17	44	3209	34
645	2001	10	20	17	55	1842	3
665	2001	10	22	17	55	511429204	32
674	2001	10	23	17	48	2684	30
683	2001	11	17	17	21	12	54
1429	2002	10	28	19	3	323	55
1516	2002	11	17	17	50	4210	37
1527	2002	11	18	17	52	897	36
1537	2002	11	19	18	0	525	36



Machine model	SerialNo	Operating Hours	Reading Date
A40G	341670	2006	03/06/2019

