

VOLVO CONSTRUCTION EQUIPMENT MATRIS REPORT

Machine model	SerialNo	Operating Hours	Reading Date
A40F	12306	3357.4	3/22/2017
Company name	Dealer	Report Issuer	
Romco Equipment Co	Romco		
Contact name	Technician	Primary Application	
	nhohlt	Earth moving construction	
Site	Workorder	Ground Condition	

MATRIS Reading, Summary / Recommendation

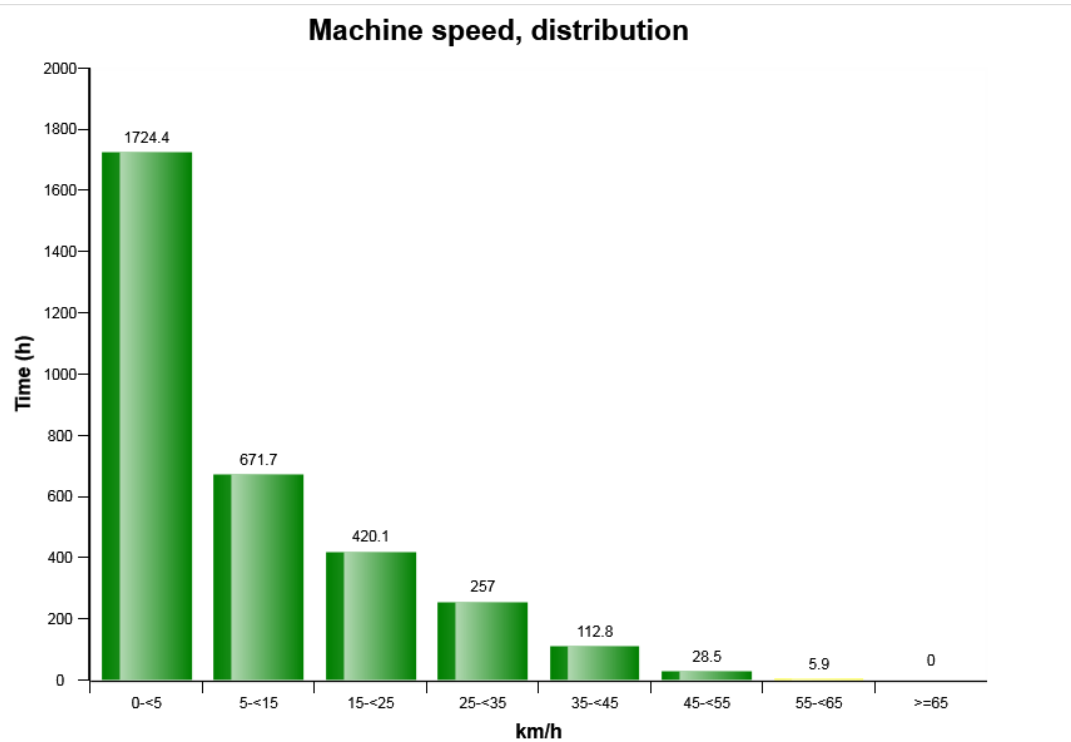
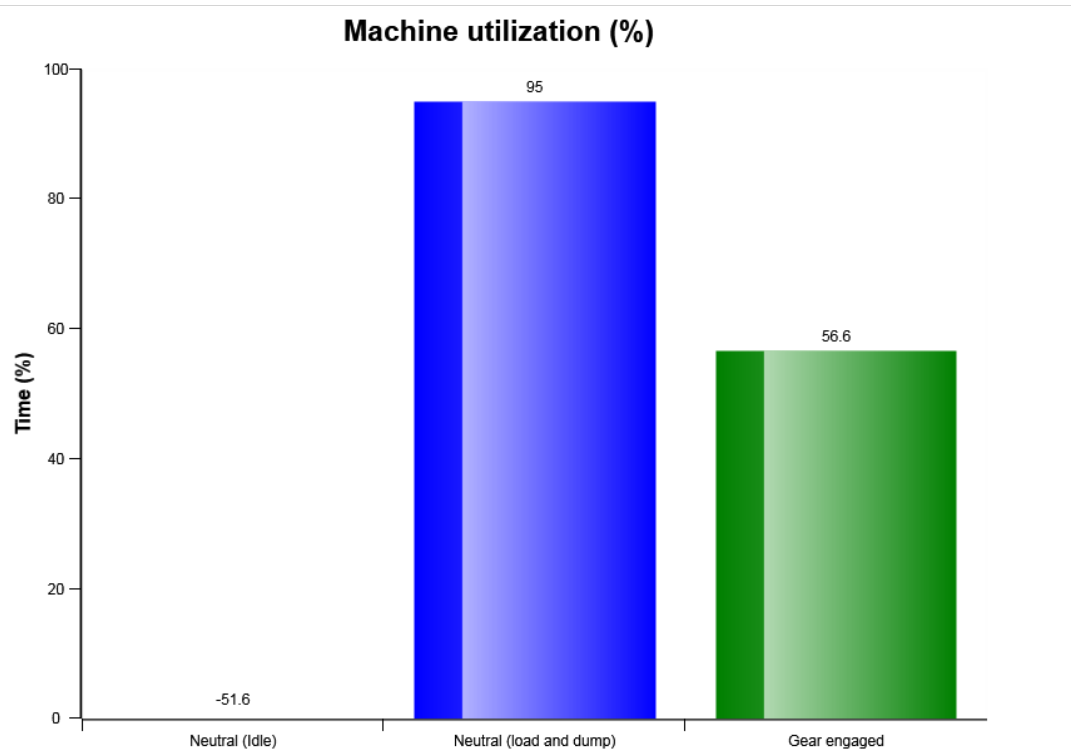


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Main equipment	Type	Equipment
	Tyre size/class	29,5 R25 E3
	Body extensions	Not mounted
	Tail-gate	Overhung (wire)
	Extra spillguard	Not mounted
	Wear plates	Not mounted
	Pattern	VLT

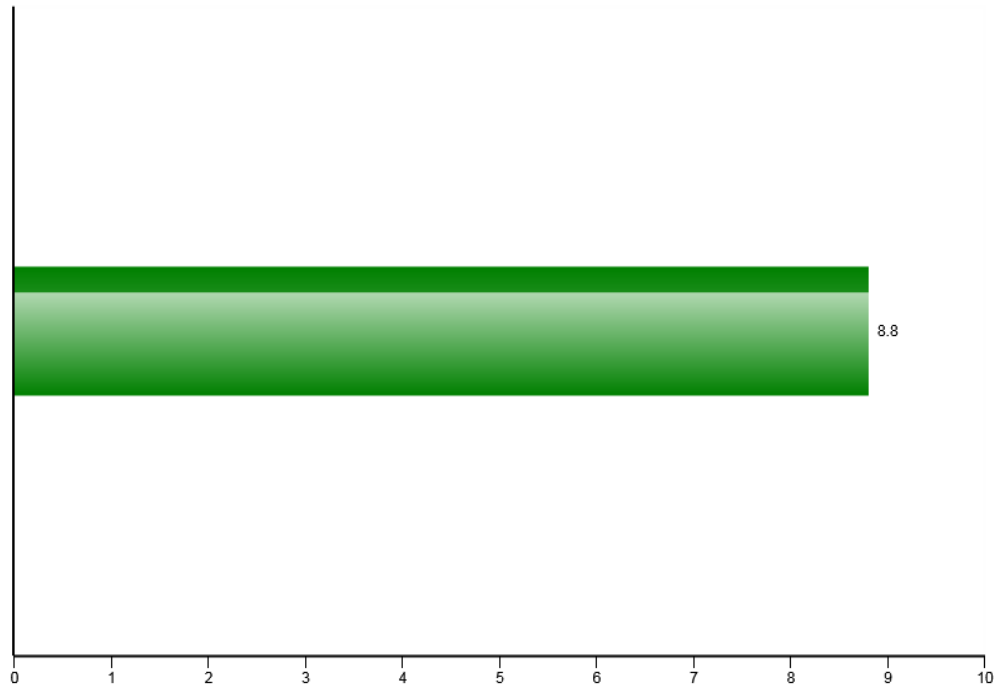


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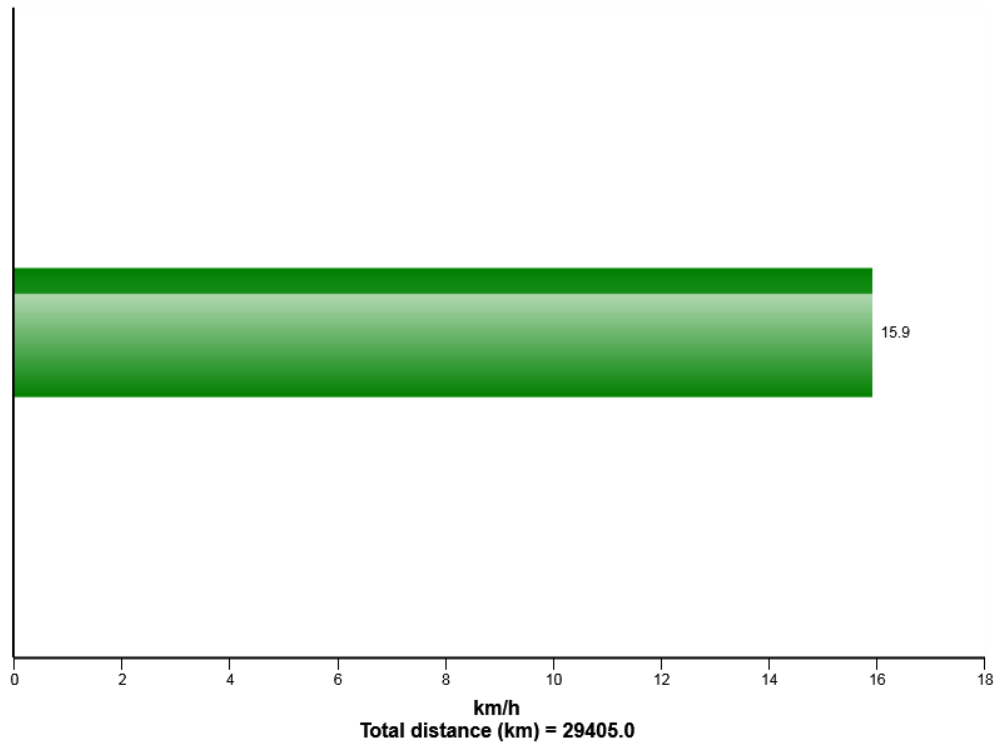


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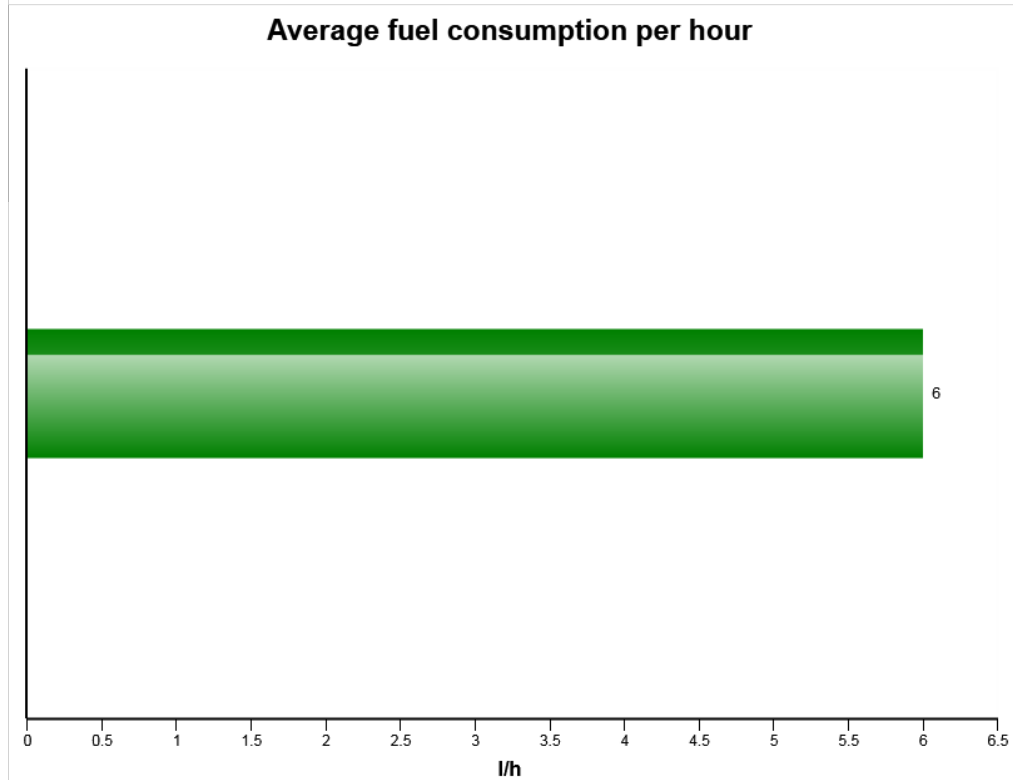
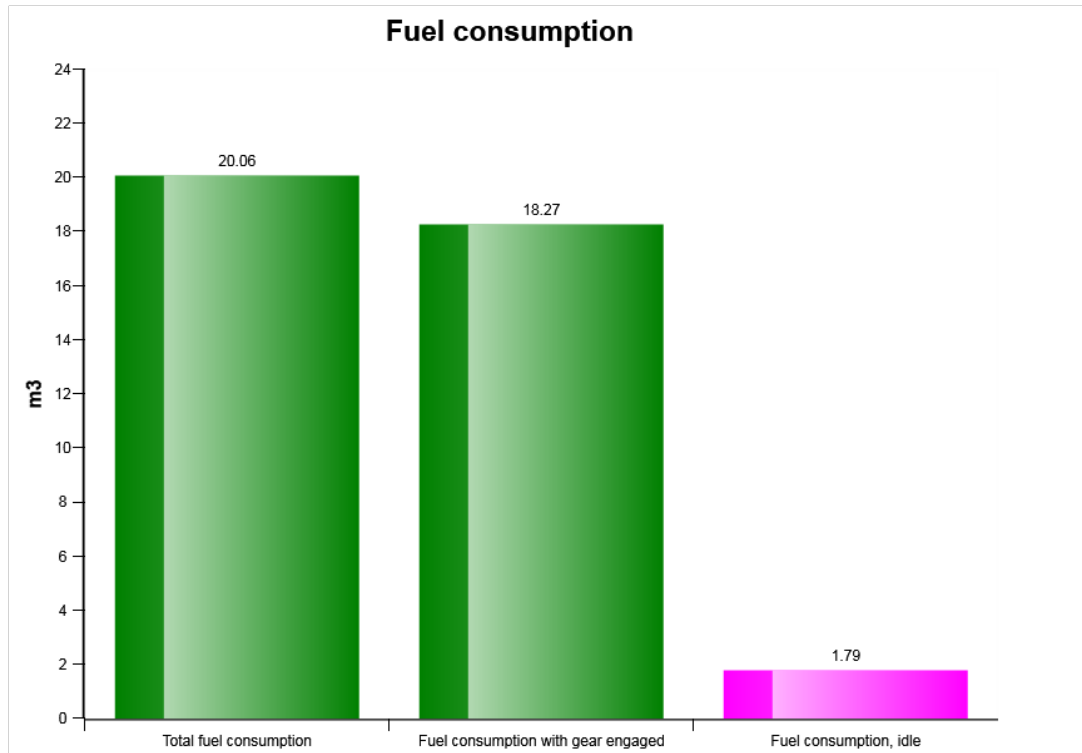
Average speed over total operating hours



Average speed with gear engaged

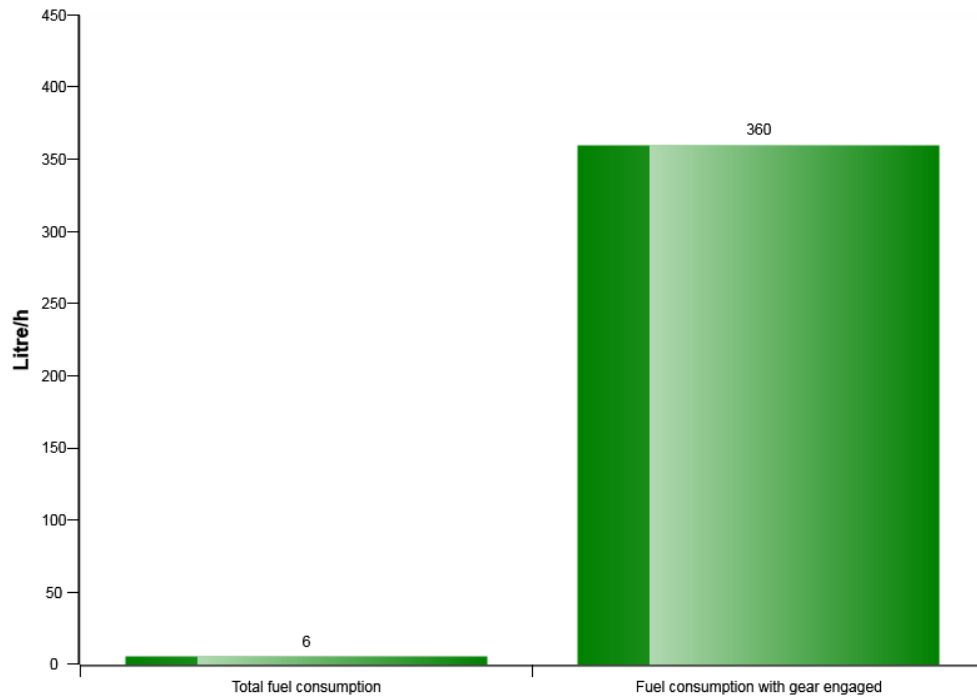


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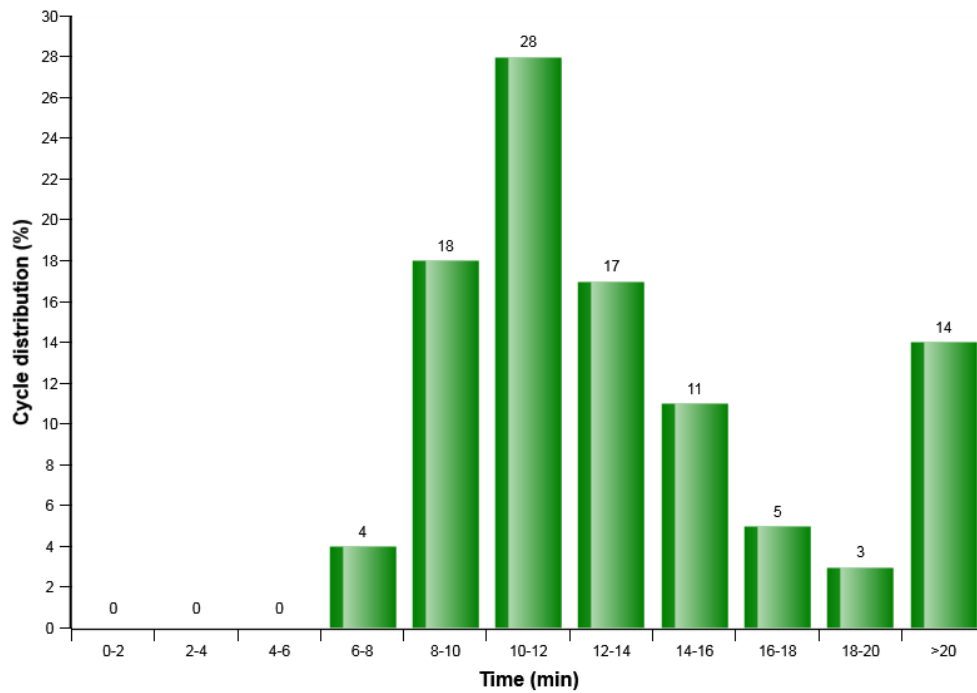


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Average fuel consumption



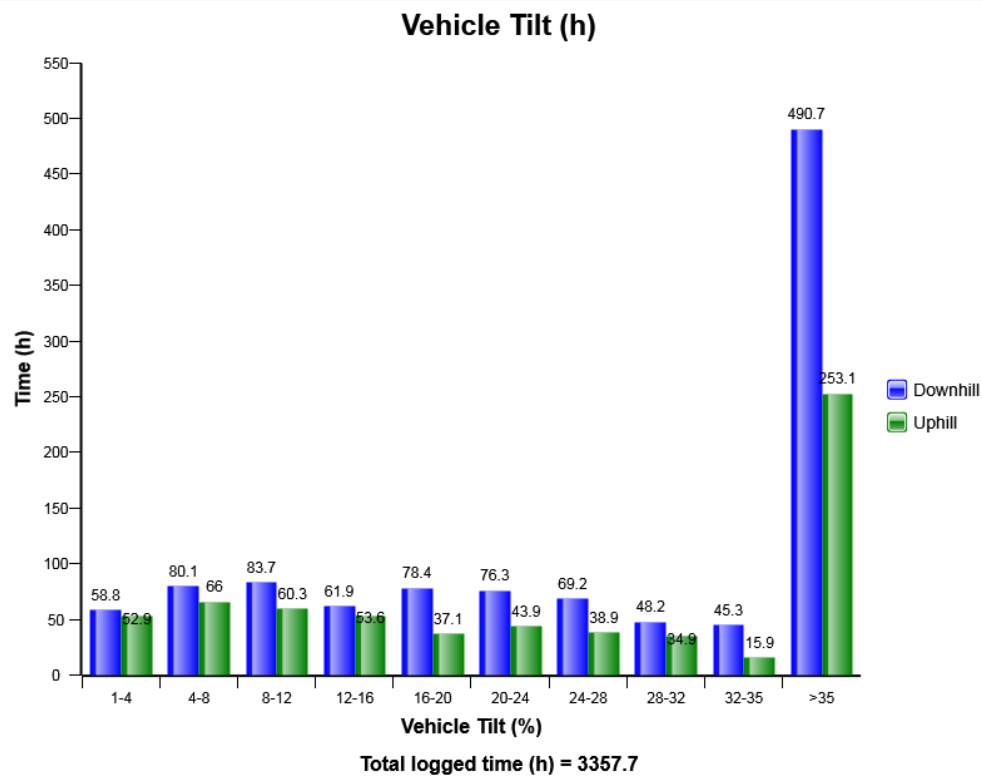
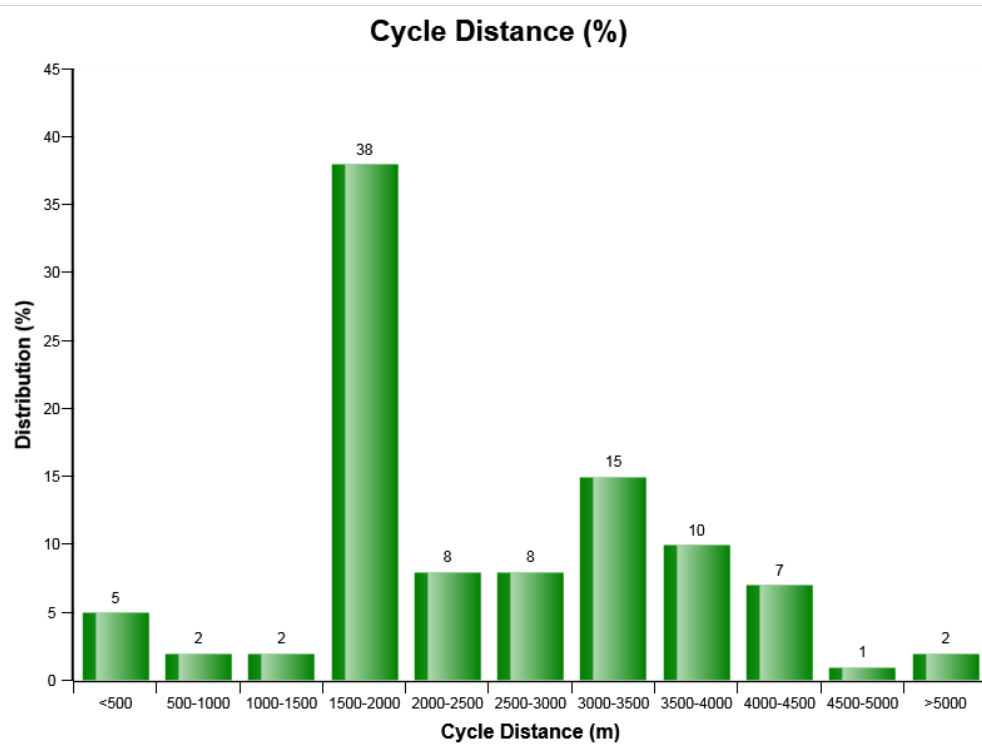
Cycle Time (%)



Total logged time (h) = 3334

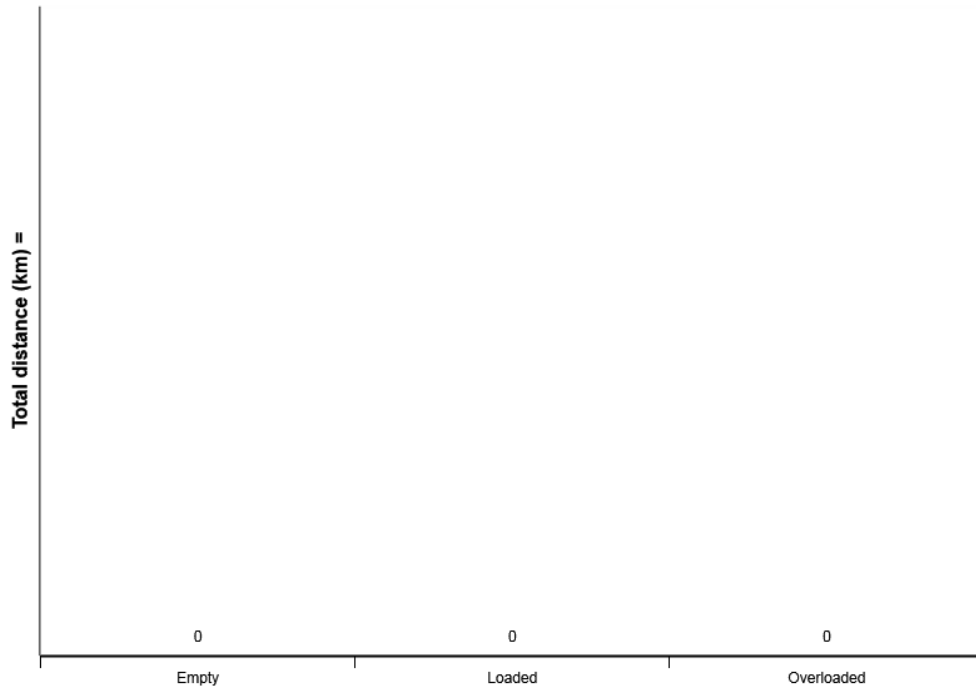


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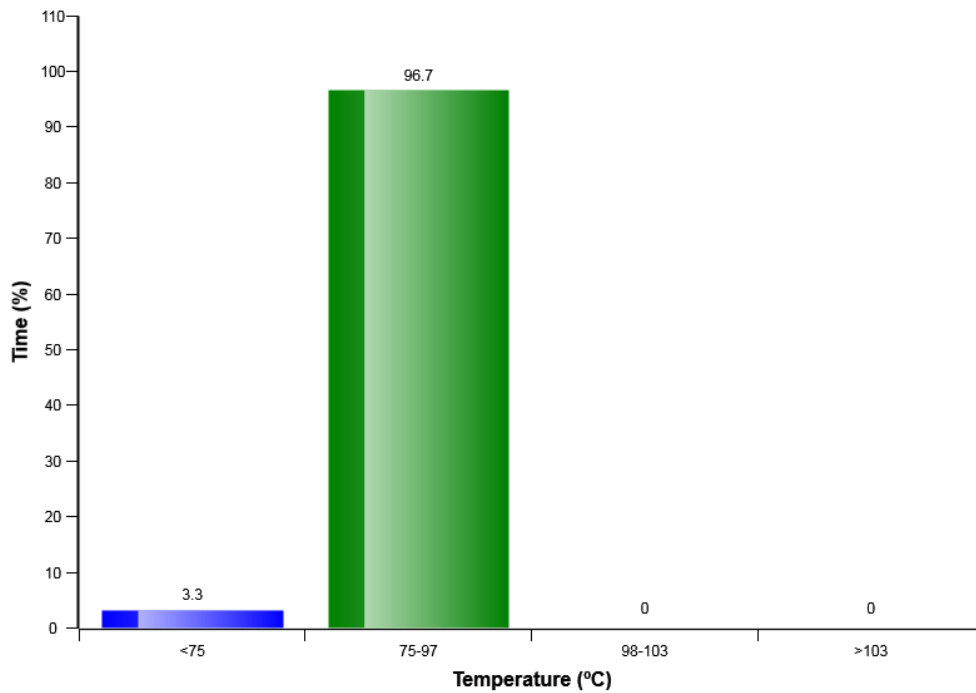


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Distribution distance empty vs loaded vs overloaded (km)



Engine coolant temperature, distribution (%)

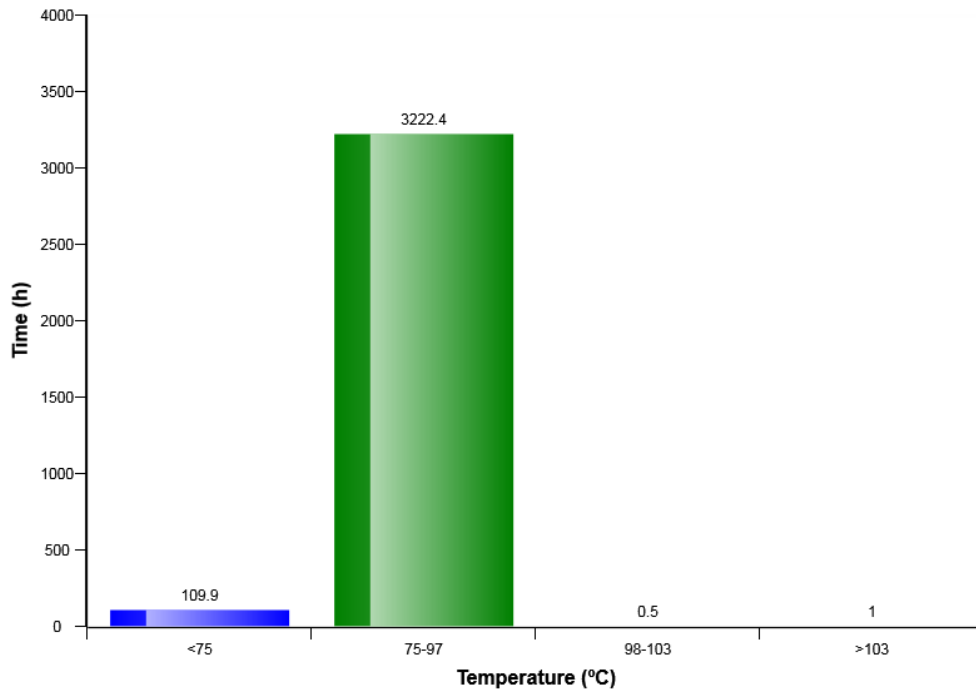


Total logged time (h) = 3333.8

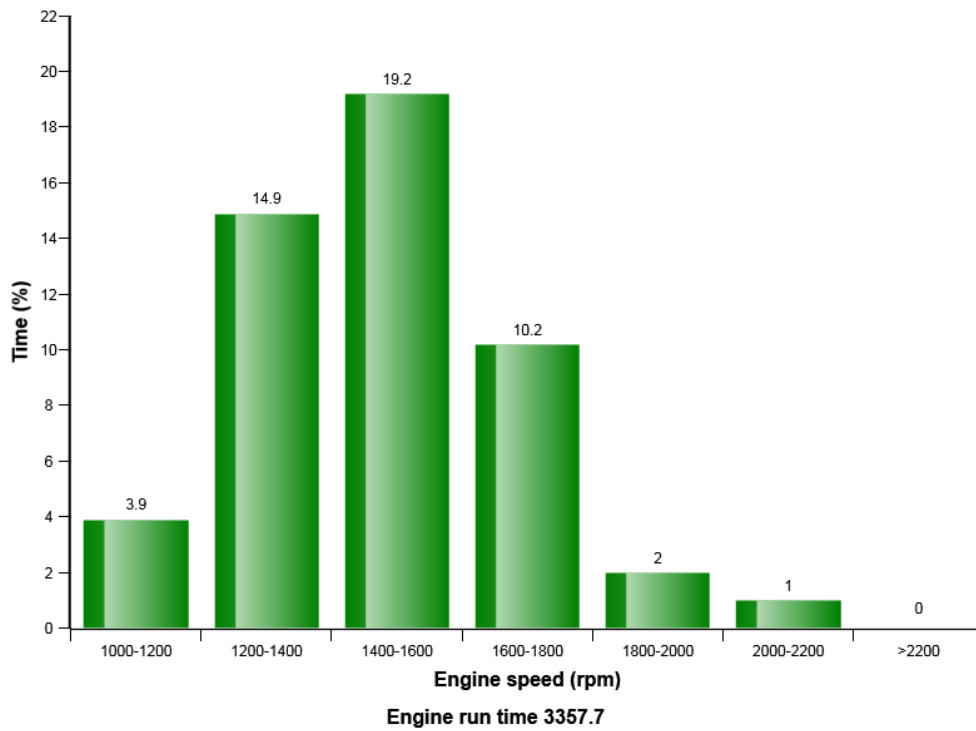


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Engine coolant temperature, distribution (h)

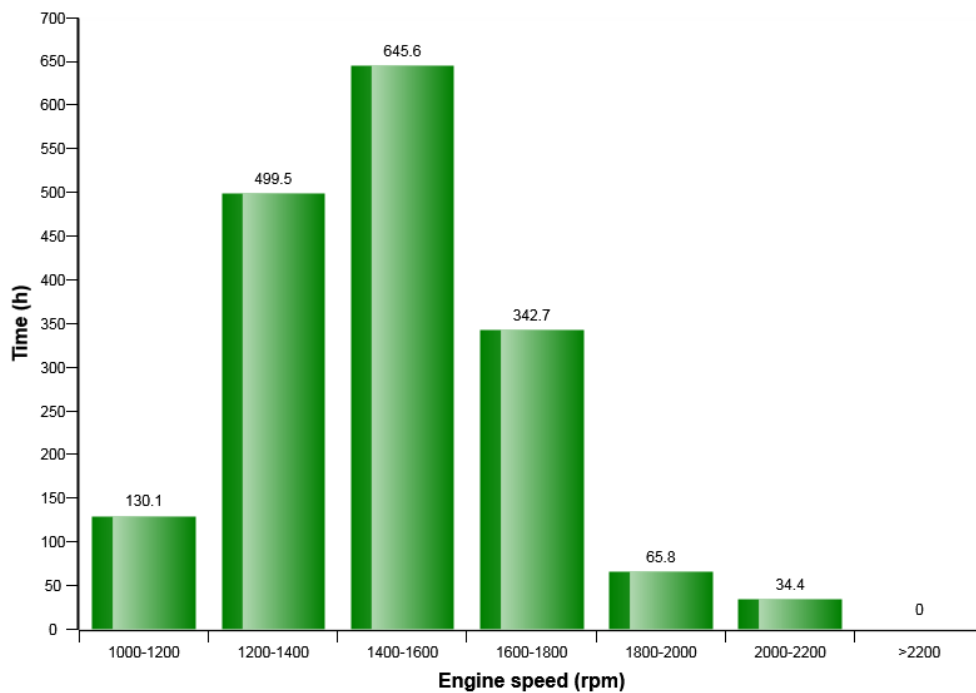


Engine speed, distribution (%)

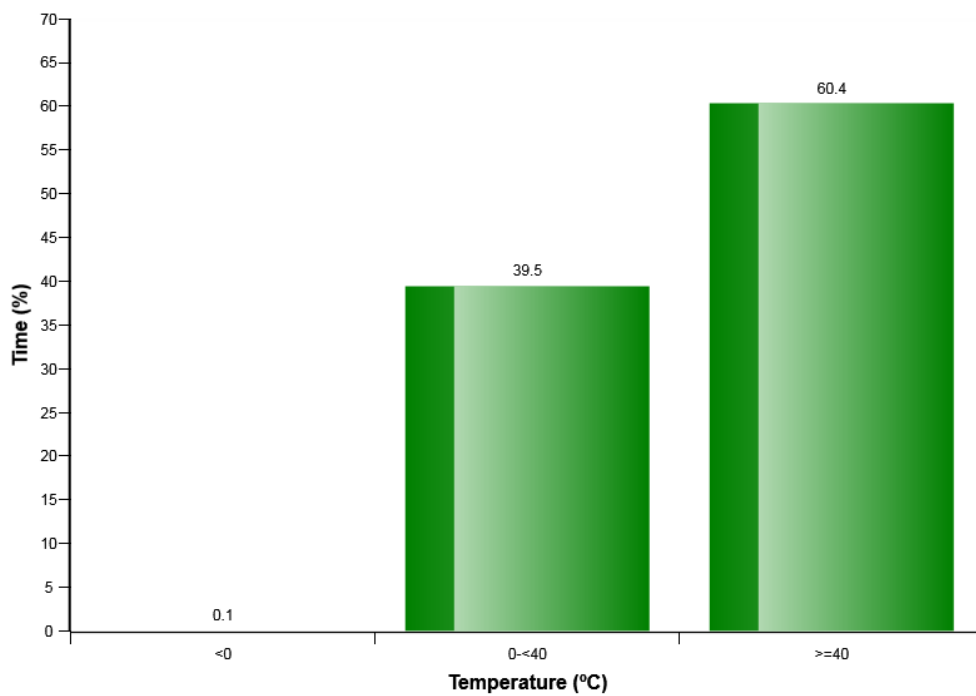


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Engine speed, distribution (h)



Start at different engine coolant temperatures (%)

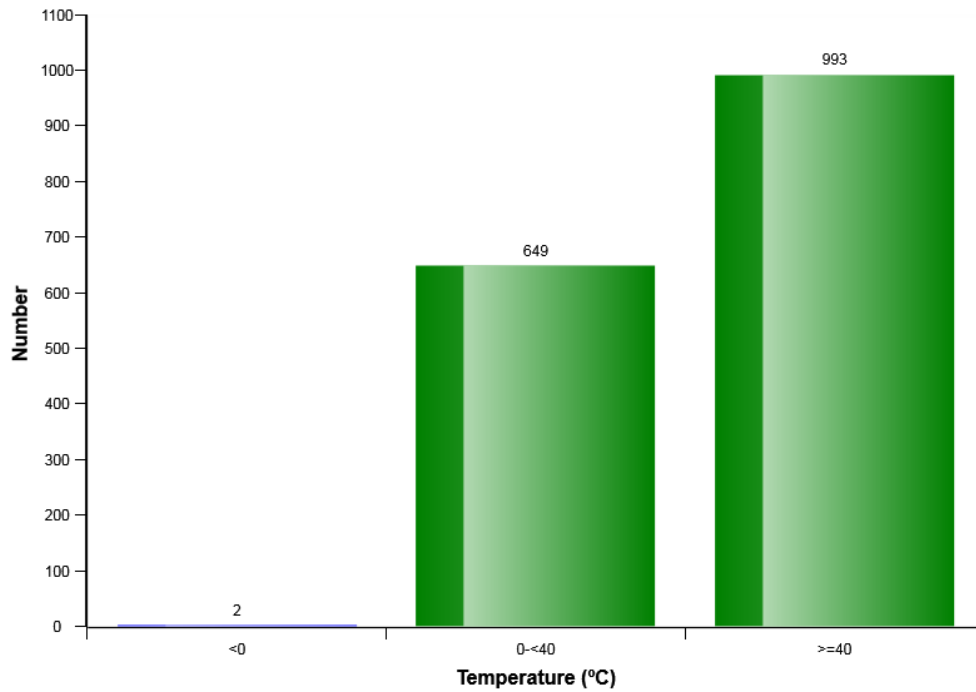


Total number of starts: 1644

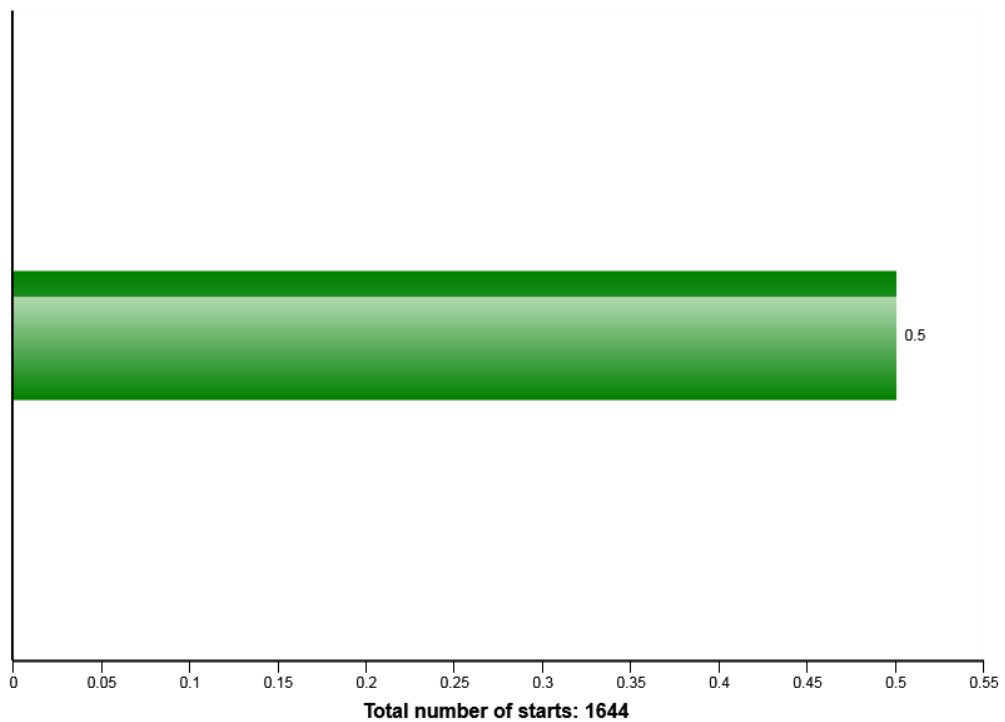


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Start at different engine coolant temperatures



Average number of starts per hour



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A40F	12306	3357.4	3/22/2017

High engine coolant temperature
Total number of occurrences = 12

	Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme (°C)
C	2744	2016	6	22	6	28	14	108
D	3287	2016	11	10	15	49	68	109
E	3287	2016	11	10	16	23	249	110
F	3294	2016	11	11	17	10	71	107
G	3298	2016	11	12	11	52	22	108
H	3309	2016	11	21	16	58	79	108
I	3309	2016	11	21	17	3	921	110
J	3326	2016	11	30	15	9	28	107
A	3327	2016	11	30	16	6	635	110
B	3327	2016	11	30	16	26	293	109



Machine model	SerialNo	Operating Hours	Reading Date
A40F	12306	3357.4	3/22/2017

Regeneration duration
Total number of occurrences = 522

Op hours	Year	Month	Day	Hour	Minute	Duration (min)
3198	2016	10	18	13	39	71
3209	2016	10	19	16	49	53
3220	2016	10	21	8	11	50
3228	2016	10	22	8	15	46
3233	2016	10	24	9	16	53
3239	2016	10	24	15	34	49
3248	2016	10	26	9	8	51
3257	2016	10	27	10	11	49
3266	2016	11	4	10	22	48
3275	2016	11	9	12	3	45
3281	2016	11	10	8	36	49
3287	2016	11	10	15	16	33
3290	2016	11	11	11	29	51
3296	2016	11	12	9	36	50
3302	2016	11	21	8	38	48
3308	2016	11	21	16	10	43
3316	2016	11	22	16	24	53
3321	2016	11	30	8	47	52
3330	2016	12	20	12	52	24
3332	2017	3	2	11	42	71



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High voltage
Total number of occurrences = 31

Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme value
2495	2016	4	7	7	35	715	33
2504	2016	4	14	8	12	39	33
2561	2016	5	9	10	32	33	32
2566	2016	5	10	6	7	636	32
2571	2016	5	10	12	10	8472	32
2574	2016	5	10	14	49	7057	33
2574	2016	5	10	14	41	252	31
2574	2016	5	10	14	32	443	32
2574	2016	5	10	14	47	0	30
2580	2016	5	11	14	10	164	32
2930	2016	8	4	9	14	49	32
2940	2016	8	8	7	16	3691	33
2941	2016	8	8	8	31	381	32
2962	2016	8	10	14	58	1992	32
2962	2016	8	10	14	25	1950	32
2963	2016	8	10	15	33	3070	32
2964	2016	8	10	16	25	3432	33
3094	2016	9	16	17	24	101	32
3262	2016	10	28	11	16	21	32
3332	2017	2	1	14	40	164	32



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Regeneration aborted
Total number of occurrences = 0

Op hours	Year	Month	Day	Hour	Minute
2806	2016	7	7	7	6
2810	2016	7	8	10	48
2816	2016	7	9	8	41
2897	2016	7	29	14	46
2924	2016	8	3	10	23
2932	2016	8	4	10	43
2965	2016	8	11	7	40
3026	2016	8	31	17	1
3073	2016	9	12	11	40
3086	2016	9	13	18	15
3126	2016	10	3	16	48
3135	2016	10	4	16	51
3163	2016	10	12	14	46
3175	2016	10	13	16	38
3281	2016	11	10	8	41
3281	2016	11	10	8	36
3287	2016	11	10	15	16
3330	2016	12	20	12	52
3332	2017	3	2	11	42
3333	2017	3	2	12	53



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High engine oil temperature
Total number of occurrences = 0

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



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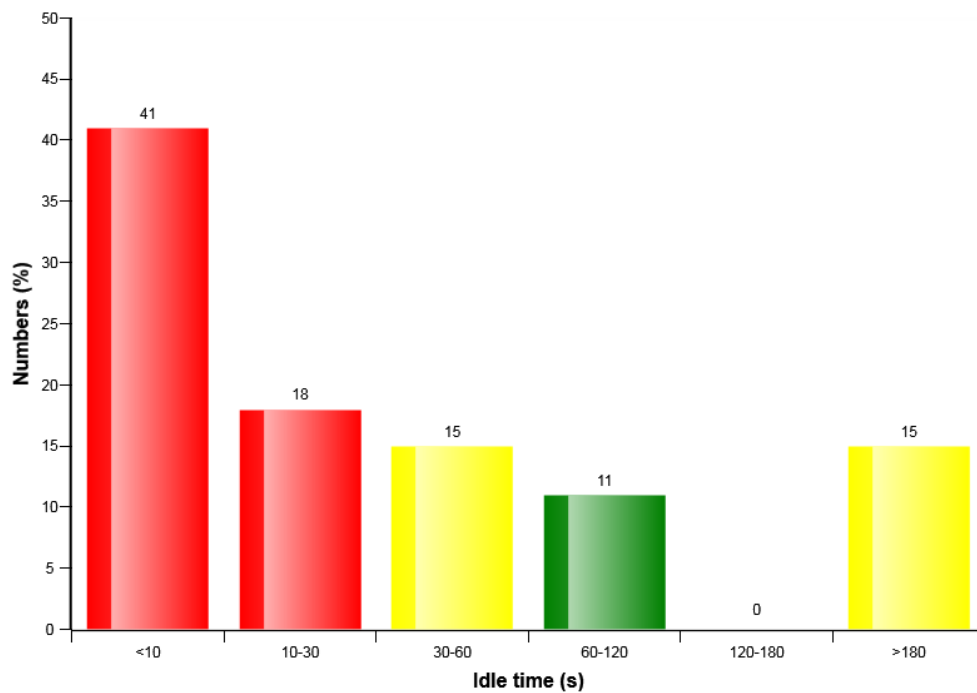
Low Brake Servo Pressure
Total number of occurrences = 3

	Op hours	Year	Month	Day	Hour	Minute	Duration (sec)	Extreme (bar)
D	0	2000	0	0	0	0	0	0
E	0	2000	0	0	0	0	0	0
F	0	2000	0	0	0	0	0	0
G	0	2000	0	0	0	0	0	0
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	3112	2016	9	15	7	56	0	183
B	3136	2016	9	26	11	45	0	156
C	3136	2016	9	27	9	53	0	156

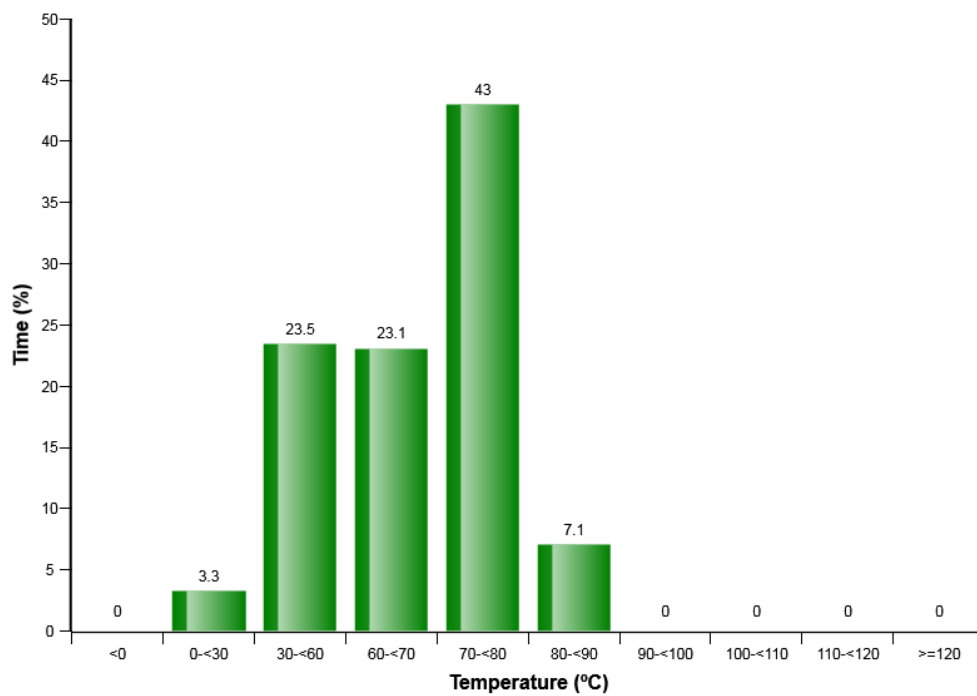


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Idle time before shut down (%)

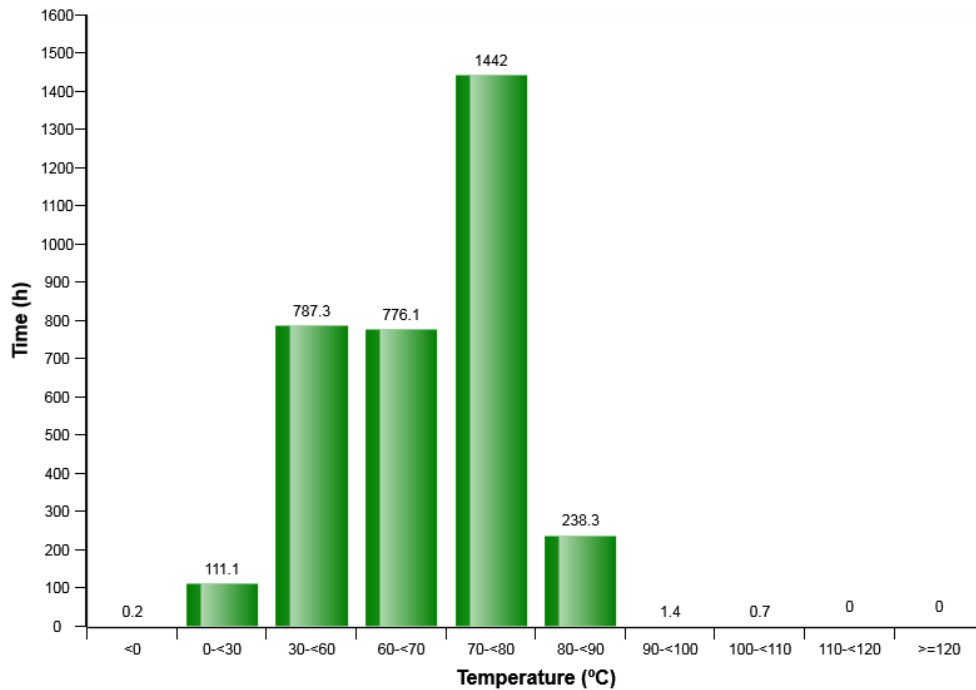


Transmission oil, temperature distribution (%)

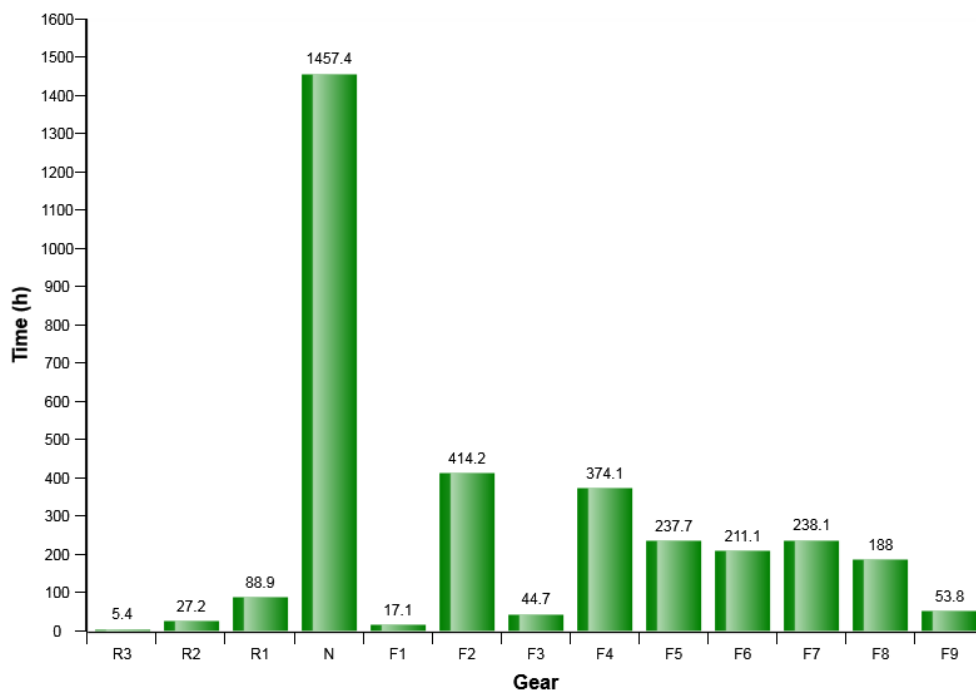


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Transmission oil, temperature distribution (h)



Gears, time distribution (h)

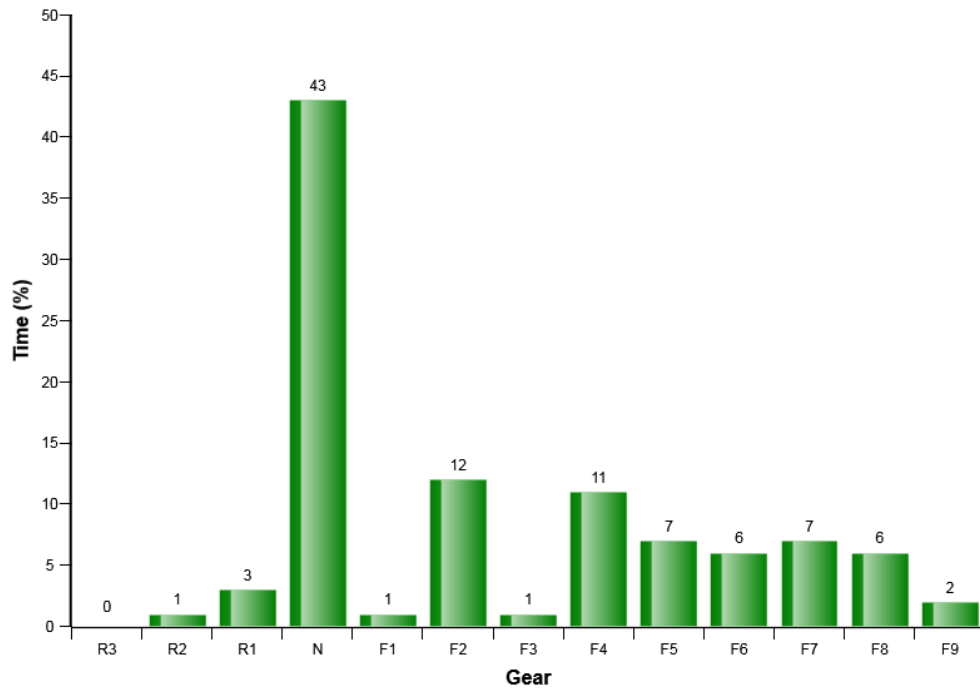


Total logged time (h) = 3357.7

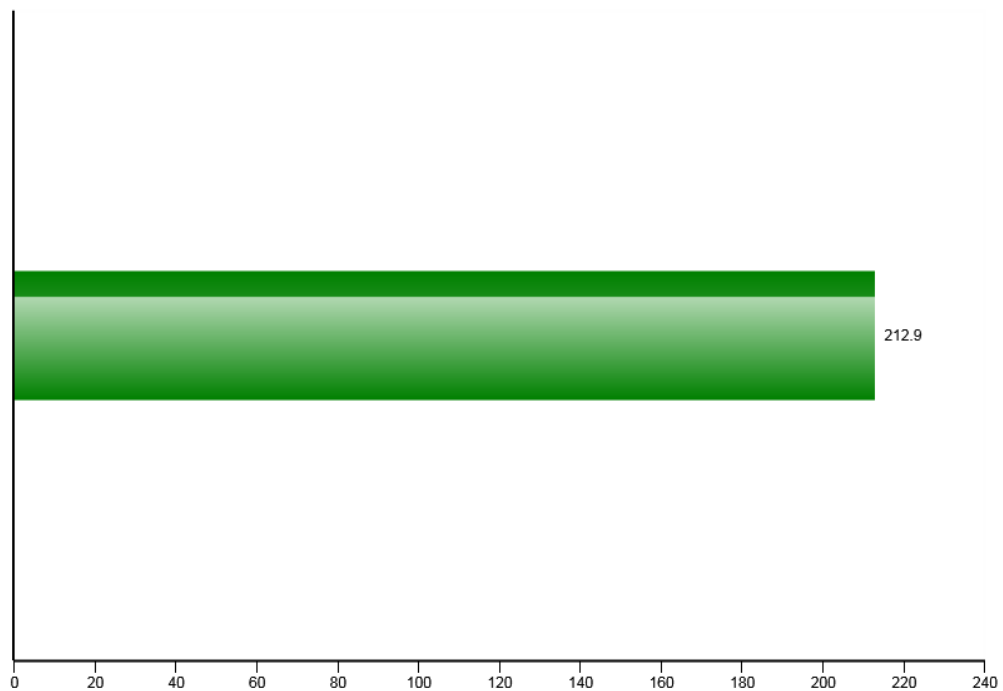


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Gears, time distribution (%)

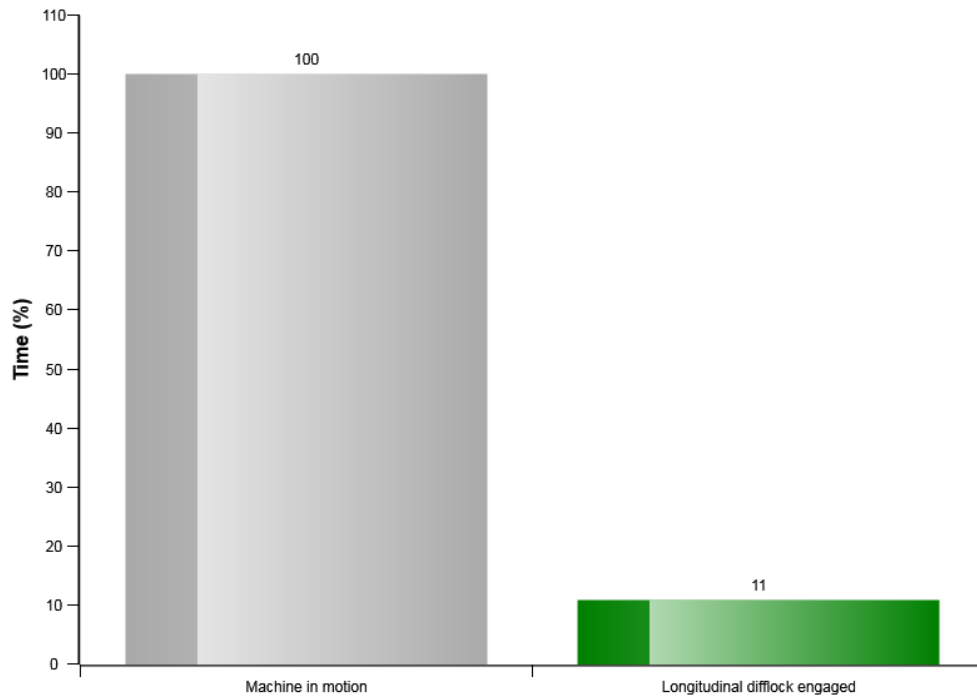


Longitudinal difflock engaged (h)

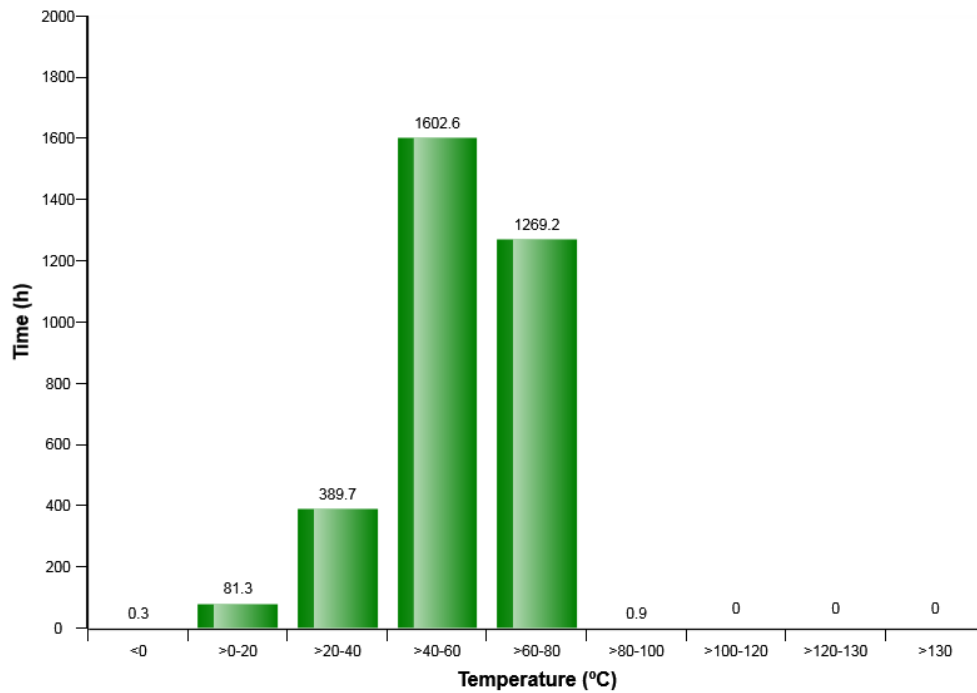


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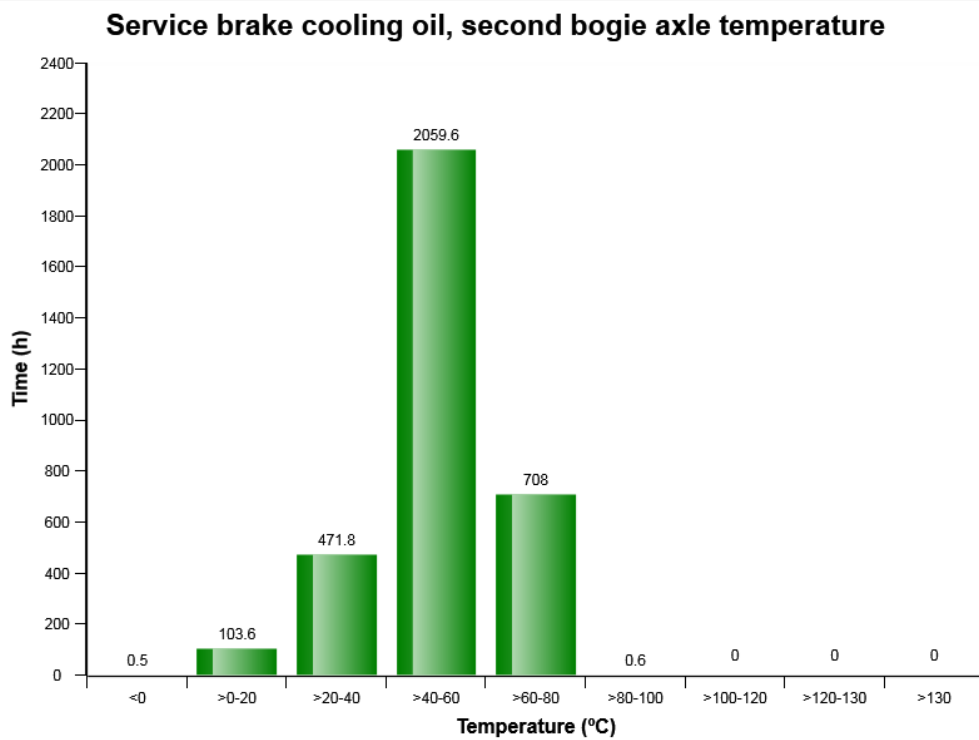
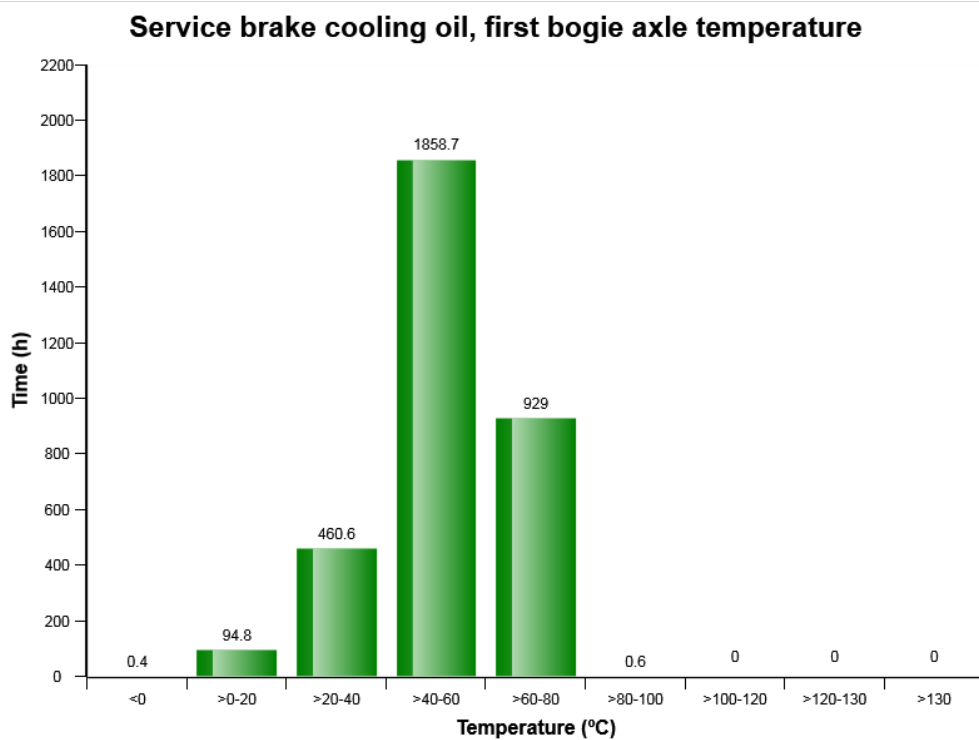
Longitudinal difflock use related to machine in motion (%)



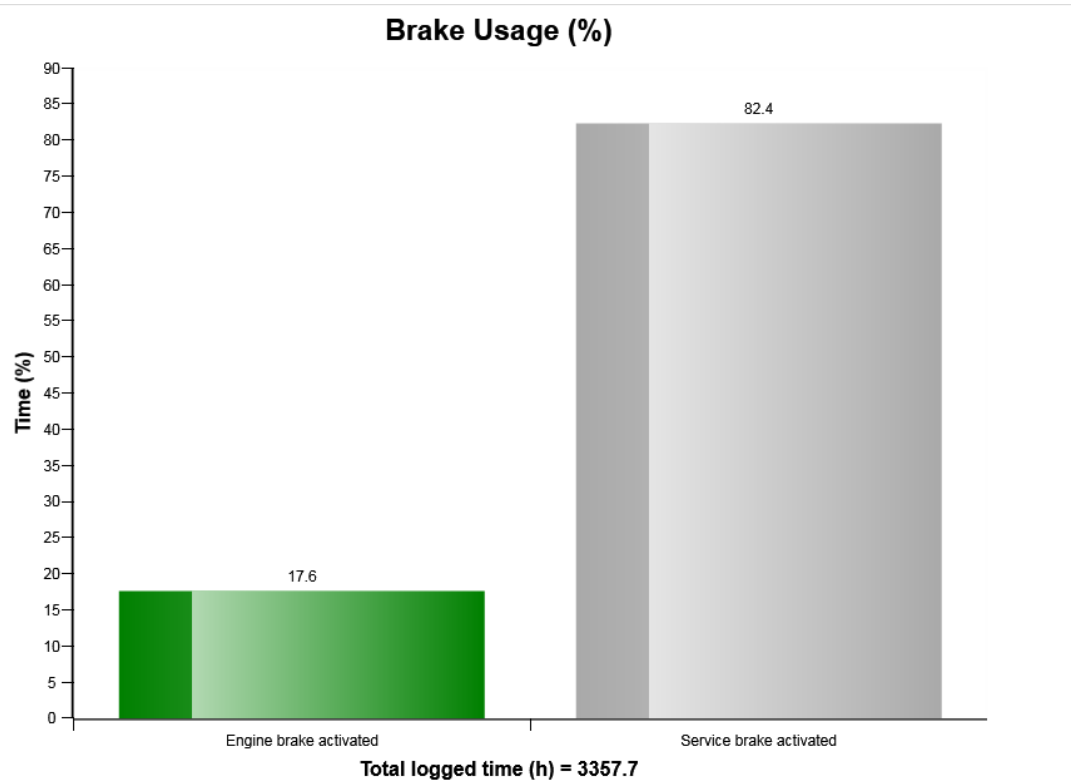
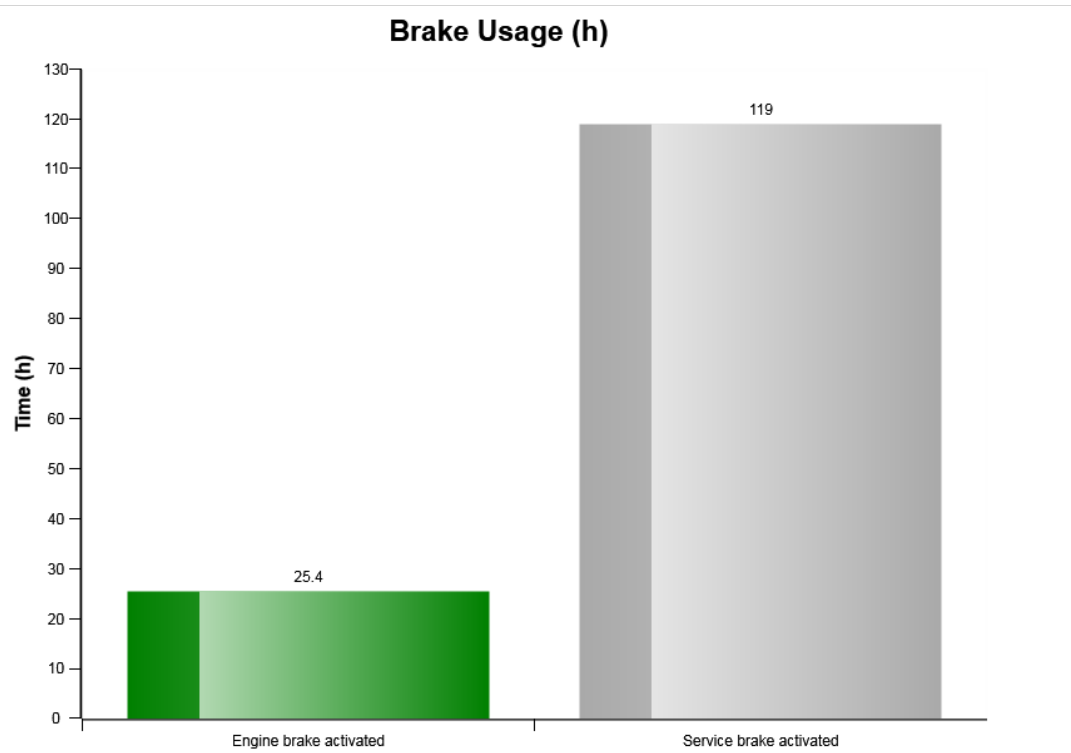
Service brake cooling oil, front axle temperature



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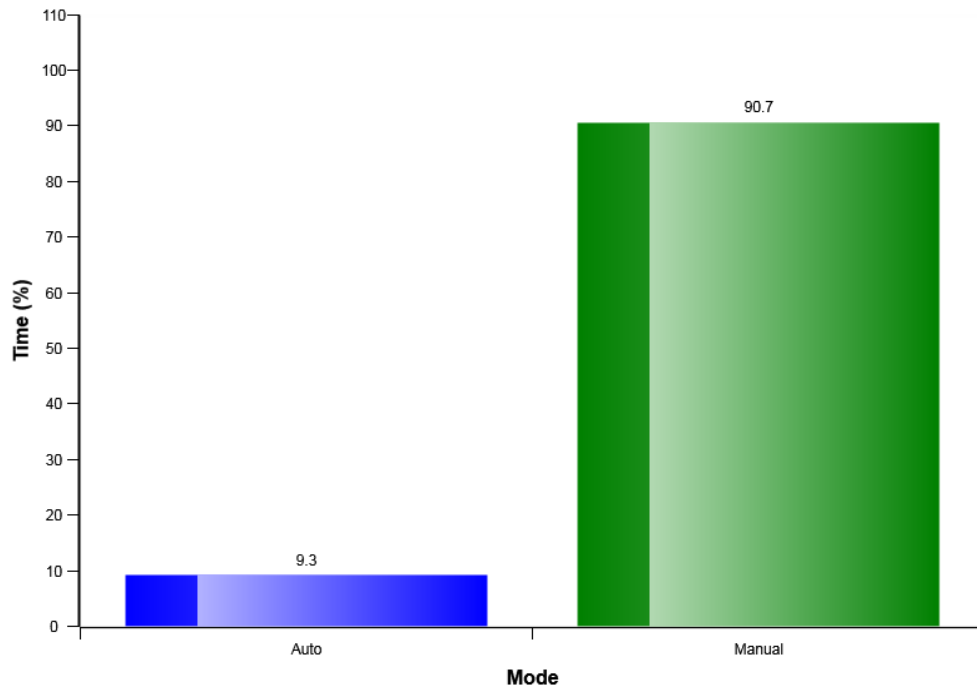


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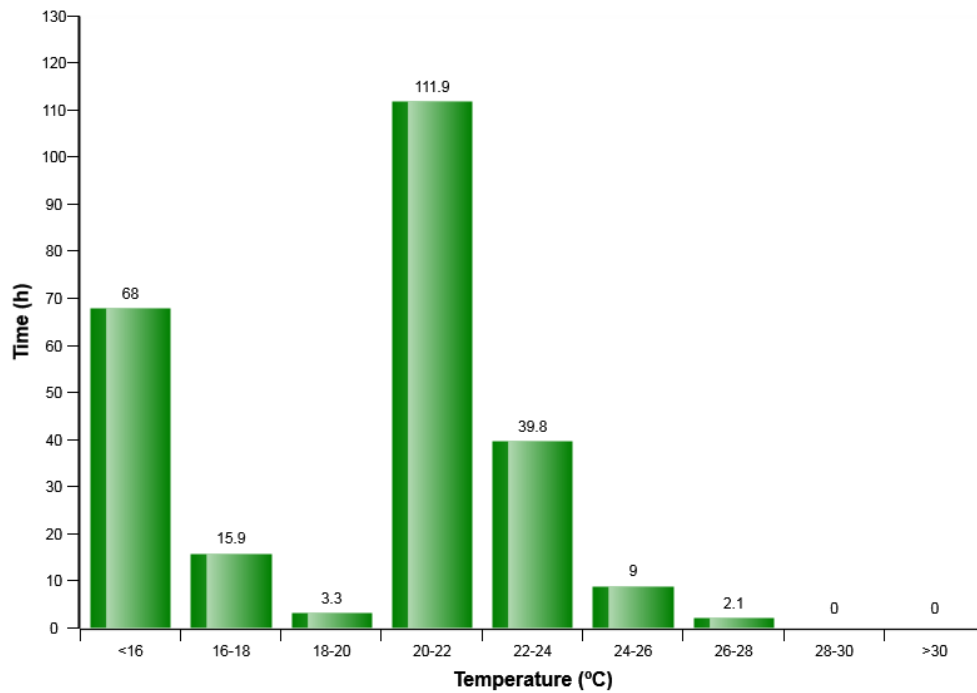


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HVAC Auto - Manual mode selection distribution (%)

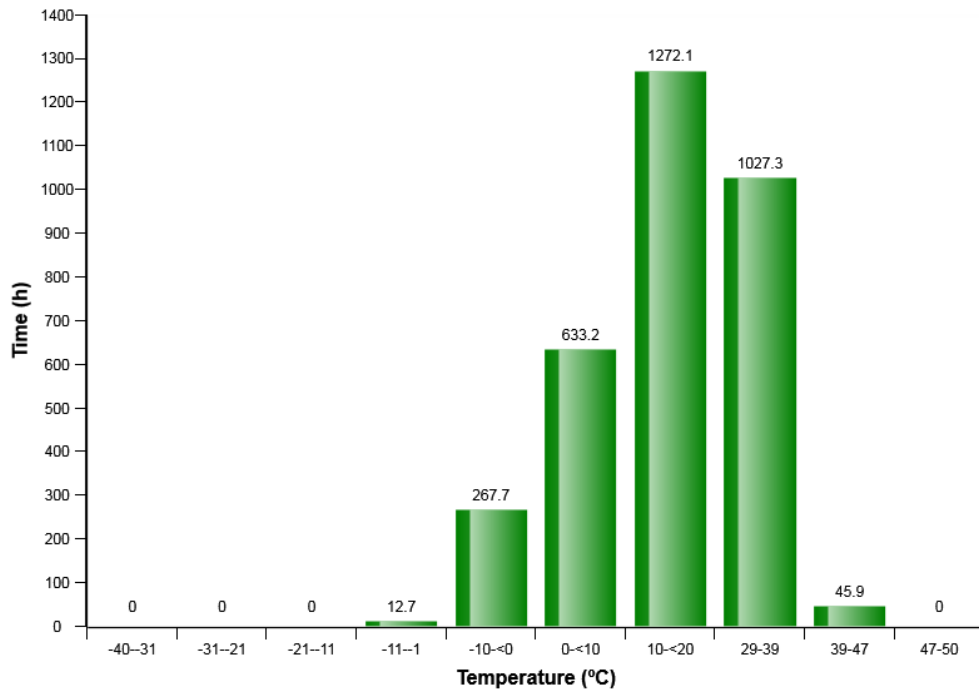


HVAC air temperature setting in auto control mode distribution (h)

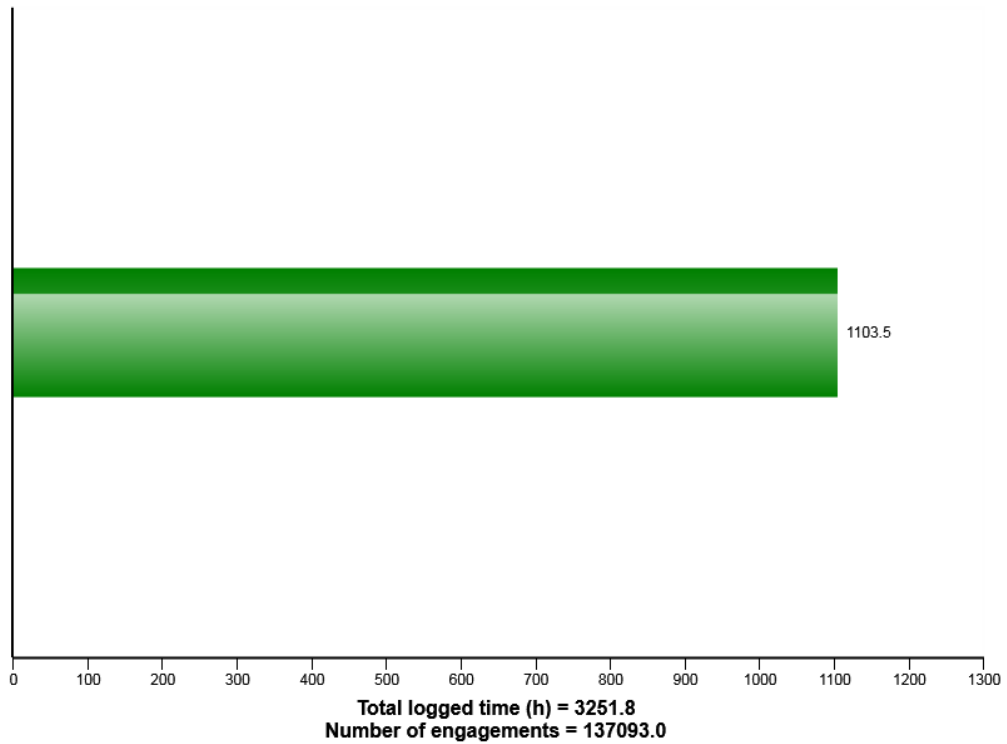


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Machine ambient temperature distribution (h)

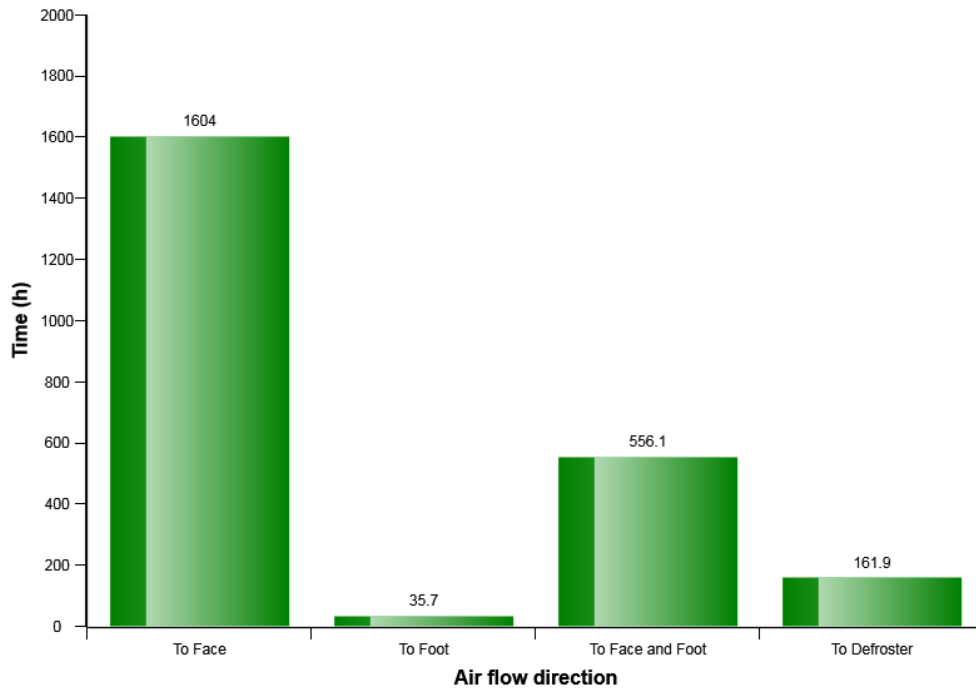


AC Compressor usage

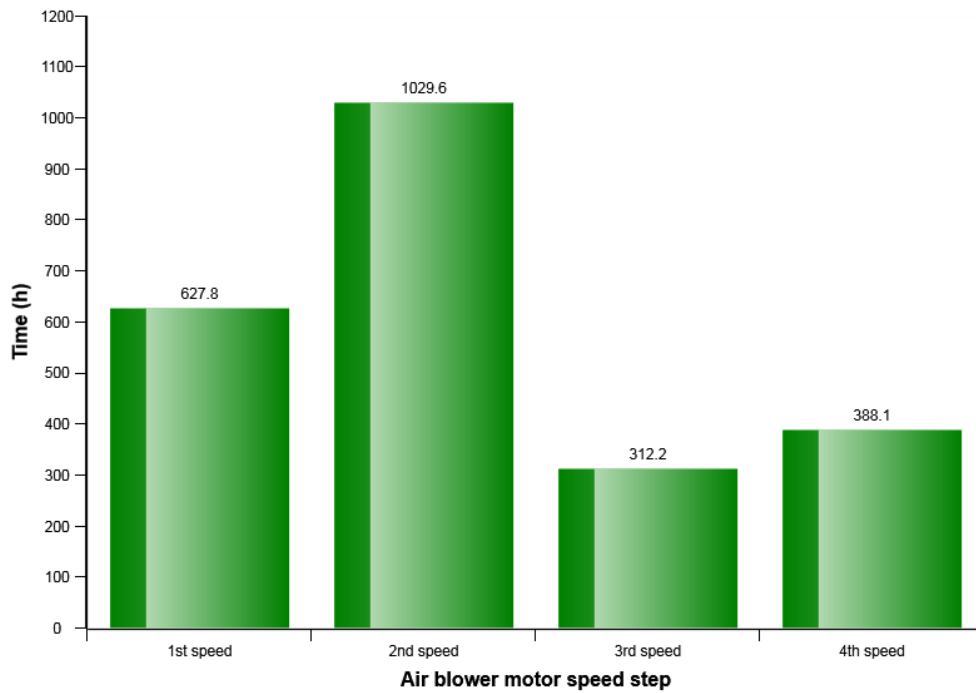


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HVAC air flow direction in manual mode distribution (h)

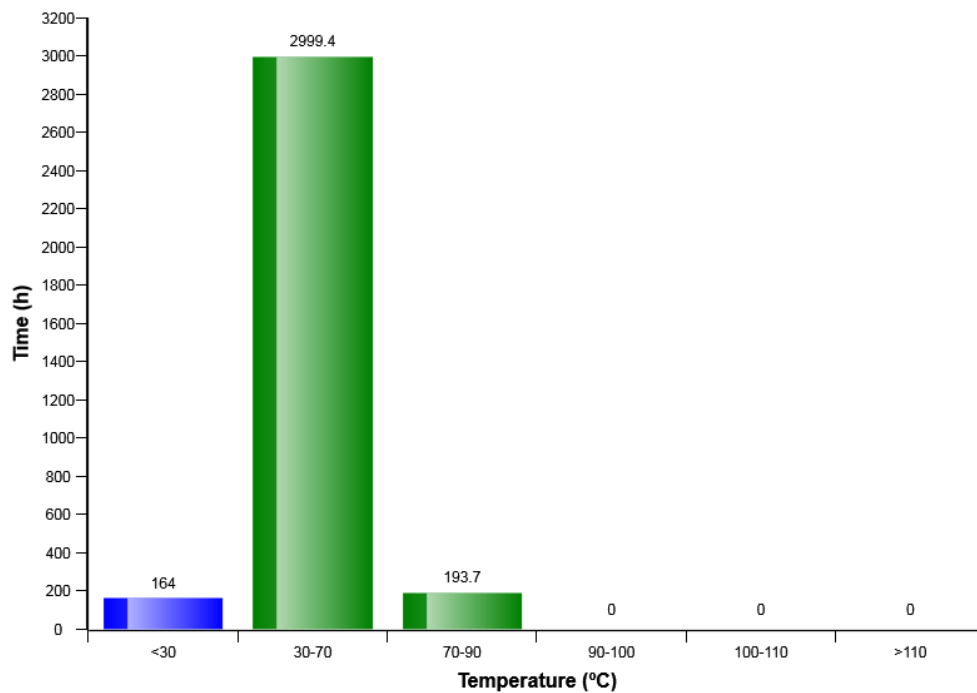


HVAC air blower motor speed in manual mode distribution (h)

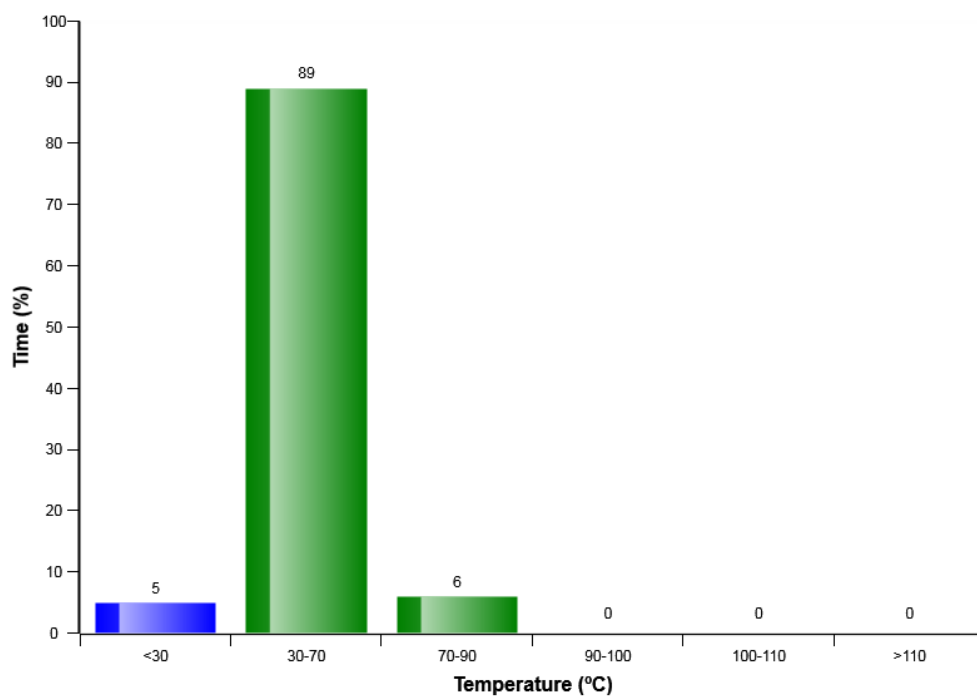


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Hydraulic oil, temperature distribution (h)



Hydraulic oil, temperature distribution (%)



Total logged time (h) = 3357.1



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