

		Is this engine still installed and running? If the engine was rebuilt		
		Yes	No	Total
Was this engine failing when it was removed from the car for replacement or rebuilding? Failing incl...	Yes	0	6	6
		0.00%	85.71%	35.29%
	No	0	1	1
		0.00%	14.29%	5.88%
What was the primary cause of the engine failure? If you don't know the root cause, select which cau...	Compression Loss	1	2	3
		100.00%	33.33%	17.65%
	Apex seal damaged/destroyed (rather than just worn down)	0	2	2
		0.00%	33.33%	11.76%
	Side seal damaged/destroyed	0	1	1
		0.00%	16.67%	5.88%
	Coolant seal failure	0	0	0
		0.00%	0.00%	0.00%
	Oil control ring failure	0	1	1
		0.00%	16.67%	5.88%
	Cracked block	0	0	0
	0.00%	0.00%	0.00%	
Ran out of coolant	0	0	0	
	0.00%	0.00%	0.00%	
Ran out of oil	0	0	0	
	0.00%	0.00%	0.00%	
Carbon lock	0	0	0	
	0.00%	0.00%	0.00%	
Outside force unrelated to reliability (fire, flood waters, accident, etc...)	0	0	0	
	0.00%	0.00%	0.00%	
Select the cold weight of oil that was typically used for this engine in what you deem as your "summ...	0w	1	0	1
		10.00%	0.00%	5.88%
	5w	7	5	12
		70.00%	71.43%	70.59%
	10w	2	2	4
		20.00%	28.57%	23.53%
15w	0	0	0	
	0.00%	0.00%	0.00%	
20w	0	0	0	
	0.00%	0.00%	0.00%	
Select the hot weight of oil that was typically used for this engine in what you deem as your "summe...	20	1	3	4
		10.00%	42.86%	23.53%
	30	5	4	9
		50.00%	57.14%	52.94%
	40	4	0	4
	40.00%	0.00%	23.53%	
50	0	0	0	
	0.00%	0.00%	0.00%	
Select the cold weight of oil that was typically used for this engine in what you deem as your "wint...	0w	1	0	1
		10.00%	0.00%	5.88%
	5w	8	5	13
		80.00%	71.43%	76.47%
	10w	1	2	3
		10.00%	28.57%	17.65%
15w	0	0	0	
	0.00%	0.00%	0.00%	
20w	0	0	0	
	0.00%	0.00%	0.00%	
Select the hot weight of oil that was typically used for this engine in what you deem as your "winte...	20	1	3	4
		10.00%	42.86%	23.53%
	30	6	4	10
		60.00%	57.14%	58.82%
	40	3	0	3
	30.00%	0.00%	17.65%	
50	0	0	0	
	0.00%	0.00%	0.00%	
Do you believe the oils you primary use are synthetic based or dino based?	Synthetic	2	2	4
		20.00%	28.57%	23.53%
	Dino	8	5	13
		80.00%	71.43%	76.47%
Select the oil change interval closest to the interval this engine saw most frequently	Less than 1,000 miles / 1609 kilometers	0	1	1
		0.00%	14.29%	5.88%
	1,000 miles / 1,600 kilometers	0	1	1
		0.00%	14.29%	5.88%
	2,000 miles / 3,200 kilometers	2	0	2
		20.00%	0.00%	11.76%
	2,500 miles / 4,000 kilometers	0	0	0
		0.00%	0.00%	0.00%
	3,000 miles / 4,800 kilometers	7	3	10
		70.00%	42.86%	58.82%
	3,500 miles / 5,600 kilometers	1	0	1
	10.00%	0.00%	5.88%	
4,000 miles / 6,400 kilometers	0	1	1	
	0.00%	14.29%	5.88%	
5,000 miles / 8,000 kilometers	0	1	1	
	0.00%	14.29%	5.88%	
6,000 miles / 9,600 kilometers	0	0	0	
	0.00%	0.00%	0.00%	
7,500 miles / 12,000 kilometers	0	0	0	
	0.00%	0.00%	0.00%	
More than 7,500 miles / 1609 kilometers	0	0	0	
	0.00%	0.00%	0.00%	
What was the typical oil burn rate on this engine? Select the closest match	Less than 500 miles / 800 kilometers to burn a quart	0	1	1
		0.00%	14.29%	5.88%
	1 quart every 500 miles / 800 kilometers	0	1	1
		0.00%	14.29%	5.88%
	1 quart every 1,000 miles / 1,600 kilometers	2	3	5
		20.00%	42.86%	29.41%
	1 quart every 1,500 miles / 2,400 kilometers	1	1	2
		10.00%	14.29%	11.76%
	1 quart every 2,000 miles / 3,200 kilometers	5	0	5
	50.00%	0.00%	29.41%	
1 quart every 2,500 miles / 4,000 kilometers	0	0	0	
	0.00%	0.00%	0.00%	
1 quart every 3,000 miles / 4,800 kilometers	2	1	3	
	20.00%	14.29%	17.65%	
I never noticed enough oil burning to have to top off	0	0	0	
	0.00%	0.00%	0.00%	
Do you typically do your own oil changes on this engine, or do you typically have a shop or dealer c	Do my own oil changes	6	5	11
		60.00%	71.43%	64.71%
	Shop/Dealer did the changes	4	2	6

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		Yes	No	Total
Shop or Dealer ...	Shop/Dealer and the changes	40.00%	28.57%	35.29%
What was the typical oil filter replacement interval for this engine?	Every oil change	10	7	17
		100.00%	100.00%	100.00%
	Every other oil change	0	0	0
	Every 3rd oil change	0	0	0
	Never	0	0	0
Did this engine see premix?	Yes - Every fillup	2	2	4
		20.00%	28.57%	23.53%
	Yes - Every other fillup	1	0	1
		10.00%	0.00%	5.88%
	Yes - Occasionally, when I remember	1	0	1
When premix was used, select the most common amount of premix added per tank of gas filled	Yes - But rarely	1	2	3
		10.00%	28.57%	17.65%
	No	5	3	8
		50.00%	42.86%	47.06%
	2oz	0	0	0
	0.00%	0.00%	0.00%	
3oz	0	0	0	
	0.00%	0.00%	0.00%	
4oz	2	2	4	
	40.00%	50.00%	23.53%	
5oz	0	0	0	
	0.00%	0.00%	0.00%	
6oz	2	0	2	
	40.00%	0.00%	11.76%	
7oz	0	2	2	
	0.00%	50.00%	11.76%	
8oz	1	0	1	
	20.00%	0.00%	5.88%	
9oz	0	0	0	
	0.00%	0.00%	0.00%	
10oz	0	0	0	
	0.00%	0.00%	0.00%	
11oz	0	0	0	
	0.00%	0.00%	0.00%	
12oz	0	0	0	
	0.00%	0.00%	0.00%	
More than 12oz	0	0	0	
	0.00%	0.00%	0.00%	
Select which Cooling modifications apply to this engine. Please pay attention to the modification de...	Mazmart Water Pump upgrade	0	0	0
		0.00%	0.00%	0.00%
	Mazmart Thermostat upgrade	0	0	0
		0.00%	0.00%	0.00%
	Radiator upgrade	1	0	1
		33.33%	0.00%	5.88%
	Aftermarket front bumper with increased airflow openings	0	0	0
		0.00%	0.00%	0.00%
	Radiator Fan speed increase	0	0	0
	0.00%	0.00%	0.00%	
Radiator Fan temperature trigger decrease	2	0	2	
	66.67%	0.00%	11.76%	
A/C Condenser Removal	0	0	0	
	0.00%	0.00%	0.00%	
Secondary additional radiator installed (Floor, hood, etc...)	0	0	0	
	0.00%	0.00%	0.00%	
Removal of components behind the radiator that improve airflow	0	0	0	
	0.00%	0.00%	0.00%	
Select which Lubrication modifications apply to this engine	Add 2nd oil cooler (Automatic transmission, original single oil cooler only)	0	0	0
		0.00%	0.00%	0.00%
	Open wheel well liner vents to improve oil cooler airflow	1	1	2
		20.00%	100.00%	11.76%
	Add 1 or more oil cooler fans	0	0	0
		0.00%	0.00%	0.00%
	SOHN adapter installed	1	0	1
		20.00%	0.00%	5.88%
	OMP disabled	0	0	0
	0.00%	0.00%	0.00%	
OMP rate increased	2	0	2	
	40.00%	0.00%	11.76%	
Oil pressure increase - Mazmart oil pressure pellet	0	0	0	
	0.00%	0.00%	0.00%	
Oil pressure increase - oil cooler line simplification	0	0	0	
	0.00%	0.00%	0.00%	
Single larger oil cooler	1	0	1	
	20.00%	0.00%	5.88%	
Select which power modifications apply to this engine (And yes, I know some of these don't actually...	Retune/Reflash	4	0	4
		28.57%	0.00%	23.53%
	Catalytic converter delete	2	1	3
		14.29%	33.33%	17.65%
	Highflow Catalytic converter	0	0	0
		0.00%	0.00%	0.00%
	Aftermarket header - 3 runner design	0	0	0
		0.00%	0.00%	0.00%
	Aftermarket header - 4 runner design	0	0	0
		0.00%	0.00%	0.00%
	Aftermarket Intake - Mazdaspeed or AEM Cold Air	1	0	1
		7.14%	0.00%	5.88%
	Aftermarket Intake - Other Cold Air	3	0	3
		21.43%	0.00%	17.65%
Aftermarket Intake - Short Ram	0	0	0	
	0.00%	0.00%	0.00%	
Catback Exhaust - Twin tip	2	0	2	
	14.29%	0.00%	11.76%	
Catback Exhaust - Single tip	1	1	2	
	7.14%	33.33%	11.76%	
Turbocharger	0	1	1	
	0.00%	33.33%	5.88%	
Supercharger	0	0	0	
	0.00%	0.00%	0.00%	
Nitrous Injection	1	0	1	
	7.14%	0.00%	5.88%	

		Is this engine still installed and running? If the engine was rebuilt		Total
		Yes	No	
	Engine rebuild with porting work	0	0	0
	Engine rebuild with 1-piece seals	0	0	0
		0.00%	0.00%	0.00%
Select any other modifications that apply to this engine	Water injection only (No methanol)	0	0	0
	Methanol injection only (no water)	0	0	0
	Water + Methanol injection	0	0	0
	Ignition upgrade - Wires only	4	0	4
	Ignition upgrade - BHR kit	3	0	3
	Ignition upgrade - Custom LS coil kit	0	0	0
	Ignition upgrade - Other coil kit	1	0	1
		12.50%	0.00%	5.88%
How many times are you aware of that the engine was flooded Flooding refers to excess fuel/gas/petro...	Never Flooded	8	5	13
	Flooded 1 time	80.00%	71.43%	76.47%
	Flooded 2 times	2	0	2
	Flooded 3 times	20.00%	0.00%	11.76%
	Flooded 4 times	0	2	2
	Flooded 5 times	0.00%	28.57%	11.76%
	Flooded 6 times	0	0	0
	Flooded 7 times	0.00%	0.00%	0.00%
	Flooded 8 times	0	0	0
	Flooded 9 times	0	0	0
	Flooded 10 times	0	0	0
	Flooded more than 10 times	0	0	0
			0.00%	0.00%
How many times have you had the OEM coils fail on you? If you upgraded to a non-OEM coil kit before...	Never Failed	9	4	13
	Failed 1 time	90.00%	57.14%	76.47%
	Failed 2 times	0	2	2
	Failed 3 times	0.00%	28.57%	11.76%
	Failed 4 times	1	1	2
	Failed 5 times	10.00%	14.29%	11.76%
	Failed 6 or more times	0	0	0
		0.00%	0.00%	0.00%
How many times have you had plugs fail on you? If you have only had individual plugs fail, and had t...	Never Failed	9	4	13
	Failed 1 time	90.00%	57.14%	76.47%
	Failed 2 times	1	1	2
	Failed 3 times	10.00%	14.29%	11.76%
	Failed 4 times	0	2	2
	Failed 5 times	0.00%	28.57%	11.76%
	Failed 6 or more times	0	0	0
		0.00%	0.00%	0.00%
How many times has your OEM catalytic converter failed and need to be replaced or removed? Only coun...	Never Failed	9	6	15
	Failed 1 time	90.00%	85.71%	88.24%
	Failed 2 times	1	1	2
	Failed 3 times	10.00%	14.29%	11.76%
	Failed 4 or more times	0	0	0
		0.00%	0.00%	0.00%
How many times has your OEM fuel pump failed? Only count OEM fuel pump failure, and count it regardl...	Never Failed	9	7	16
	Failed 1 time	90.00%	100.00%	94.12%
	Failed 2 or more times	1	0	1
		10.00%	0.00%	5.88%
How many times has your O2 sensor failed? Only count failure of the O2 sensor that feeds the ECU inf...	Never Failed	0	0	0
	Failed 1 time	0	0	0
	Failed 2 times	0	0	0
	Failed 3 or more times	0	0	0
		0.00%	0.00%	0.00%
How many times has your thermostat failed? Count OEM or aftermarket thermostat failures This is NOT...	Never Failed	10	7	17
	Failed 1 time	100.00%	100.00%	100.00%
	Failed 2 or more times	0	0	0
		0.00%	0.00%	0.00%
How many times has your water pump failed? Count OEM or aftermarket water pump failures. Count the n...	Never Failed	10	6	16
	Failed 1 time	100.00%	85.71%	94.12%
	Failed 2 or more times	0	1	1
	0.00%	14.29%	5.88%	
	0	0	0	

		Is this engine still installed and running? If the engine was rebuilt		
		Yes	No	Total
rated 2 or more times		0.00%	0.00%	0.00%
Which type of year-round climate most closely resemble where this 8 is driven	Cold Climate - Short cooler summers, long cold winters	1	0	1
	Moderate Climate - Equal length hot summers and cold winters	10.00%	0.00%	5.88%
	Perfect Climate - No real winter or summer with moderate temperatures year round	6	2	8
	Hot Climate - Long hot summers, short warm winters	60.00%	28.57%	47.06%
		0	1	1
During your winter's, was this engine used frequently in temperatures below 40 F (4 C)? If the car w...	Yes	0.00%	14.29%	5.88%
	No	3	4	7
During your summers, was this engine used frequently in temperatures above 100 F (37 C)	Yes	5	2	7
	No	50.00%	28.57%	41.18%
What is the typical point at which you upshift during acceleration during low load stop and go driv...	3,000 rpm	5	2	7
	4,000 rpm	10.00%	57.14%	41.18%
	5,000 rpm	6	3	9
	6,000 rpm	20.00%	0.00%	11.76%
	7,000 rpm	0	0	0
	8,000 rpm	1	0	1
	9,000 rpm	10.00%	0.00%	5.88%
		0	0	0
What is the typical point at which you upshift during acceleration during low load steady state driv...	3,000 rpm	0	2	2
	4,000 rpm	0.00%	28.57%	11.76%
	5,000 rpm	6	4	10
	6,000 rpm	60.00%	57.14%	58.82%
	7,000 rpm	2	1	3
	8,000 rpm	20.00%	14.29%	17.65%
	9,000 rpm	2	0	2
		20.00%	0.00%	11.76%
What is the typical point at which you upshift during acceleration during high load on/off throttle...	3,000 rpm	0	1	1
	4,000 rpm	0.00%	14.29%	5.88%
	5,000 rpm	0	0	0
	6,000 rpm	1	1	2
	7,000 rpm	10.00%	14.29%	11.76%
	8,000 rpm	0	1	1
	9,000 rpm	0.00%	14.29%	5.88%
		2	2	4
What is the typical point at which you upshift during acceleration during relaxed casual driving Eve...	3,000 rpm	4	1	5
	4,000 rpm	40.00%	14.29%	29.41%
	5,000 rpm	3	1	4
	6,000 rpm	30.00%	57.14%	41.18%
	7,000 rpm	3	2	5
	8,000 rpm	30.00%	28.57%	29.41%
	9,000 rpm	1	0	1
		10.00%	0.00%	5.88%
Select which most closely describes mileage change over the life of this engine.	My mileage (MPG) generally went down as the engine got older	0	0	0
	My mileage (MPG) generally stayed the same over the life of the engine	0.00%	0.00%	0.00%
	My mileage (MPG) generally went up as the engine got older	7	5	12
	My mileage (MPG) was wildly inconsistent without a noticeable trend or average	70.00%	71.43%	70.59%
		1	0	1
Select which most closely describes you over the life of this engine	I neglected my RX-8, through either ignorance or inability to pay for what it needed	10.00%	0.00%	5.88%
	I struggled to pay for the maintenance and care of my RX-8, and care was often delayed	1	1	2
	It was painful to pay for the maintenance and care of my RX-8, but I got it done	10.00%	0.00%	5.88%
	I had no problem paying for the maintenance and care of my RX-8, but I often forgot	0	1	1
	I had no problem paying for the maintenance and care of my RX-8, and kept it up to date	0.00%	14.29%	5.88%
	Maintaining and my RX-8 was a joy, and I had it serviced if there was even a hint of a reason	4	3	7
		40.00%	42.86%	41.18%
Total	5	3	8	
	50.00%	42.86%	47.06%	
	10	7	17	
	100.00%	100.00%	100.00%	