

Survey List

Survey List Name : DEMO USA Group : All Area : All

No.	Event Name	Area	Trap No.	Location	Type	Name	Mfr.	Inlet Press. [psig]	Size [inch]	Connect.	Temp. [°F]	Vibration Value	Judgement	Steam Loss [lb/h]	Money Loss [USD/yr.]	Op. Hrs [Hour]	Op. Days [Day]	Steam Cost [USD/1000lb]	CO2 Emissions [lb-CO2]	Remarks
1	2022 Routine Survey	1	1	Boiler house manifold	Disc	A3N	TLV	150	1/2	SCR	355	6	Good			24	365	10.0		
2	2022 Routine Survey	1	2	Boiler house air heater	Float	FT14-10	SARCO	150	1/2	SCR	350	55	Leak	17.0	1,489	24	365	10.0	2.7	
3	2022 Routine Survey	1	3	ML outside boiler house	Disc	TD42H	SARCO	150	1/2	SCR	358	145	Leak	45.3	3,968	24	365	10.0	7.1	
4	2022 Routine Survey	1	4	Main line	Disc	TD42H	SARCO	150	1/2	SCR	360	65	Leak	20.9	1,831	24	365	10.0	3.3	
5	2022 Routine Survey	1	5	Main line	Disc	A3N	TLV	150	1/2	FLG	353	6	Good			24	365	10.0		
6	2022 Routine Survey	1	6	ML outside factory	Float	FT14-10	SARCO	150	1/2	FLG	354	22	Leak	6.9	604	24	365	10.0	1.1	
7	2022 Routine Survey	1	7	ML outside factory	Bucket	881	ARM	150	1/2	FLG	349	189	Leak	27.2	2,383	24	365	10.0	4.3	
8	2022 Routine Survey	1	8	Press 1 in factory	Float	FT14-4.5	SARCO	60	1	SCR	301	298	Leak	50.2	4,398	24	365	10.0	7.8	
9	2022 Routine Survey	1	9	Press 2 in factory	Bucket	HM003/6	SARCO	60	1	SCR	298	5	Good			24	365	10.0		
10	2022 Routine Survey	1	10	ML B4 PRV	Disc	TD42H	SARCO	150	1/2	SCR	345	290	Leak	61.2	5,361	24	365	10.0	9.6	
11	2022 Routine Survey	1	11	Press 3 in factory	Float	FT14-4.5	SARCO	60	1/2	SCR	300	7	Good			24	365	10.0		
12	2022 Routine Survey	1	12	Press 3 in factory	Float	JF5N-12	TLV	60	1	FLG	300	5	Good			24	365	10.0		
13	2022 Routine Survey	1	13	Press 4 in factory	Bucket	883-1/4	ARM	60	1	FLG	292	6	Good			24	365	10.0		
14	2022 Routine Survey	1	14	ML at Press 4	Disc	A3N	TLV	150	3/4	SCR	348	120	Leak	50.1	4,389	24	365	10.0	7.9	
15	2022 Routine Survey	1	15	HXC 1 Alfa Laval	Bucket	HM003/6	SARCO	30	1	FLG	269	6	Good			24	365	10.0		
16	2022 Routine Survey	1	16	HXC 1 Alfa Laval	Bucket	HM003/6	SARCO	30	1	FLG	267	380	Leak	14.9	1,305	24	365	10.0	2.3	
17	2022 Routine Survey	1	17	CIP at Alfa Laval	Disc	WD450	WATM	150	1/2	SCR	360	79	Leak	26.4	2,313	24	365	10.0	4.1	
18	2022 Routine Survey	1	18	ML at Alfa Laval	Disc	N301TD	NICH	150	1/2	SCR	351	232	Leak	35.5	3,110	24	365	10.0	5.6	
19	2022 Routine Survey	1	19	HXC 2 Alfa Laval	Float	NFT253-250	NICH	200	1 1/2	FLG	379	89	Leak	243.6	21,339	24	365	10.0	38.3	
20	2022 Routine Survey	1	20	HXC 3 Alfa Laval	Float	NFT253-250	NICH	200	1 1/2	FLG	382	8	Good			24	365	10.0		

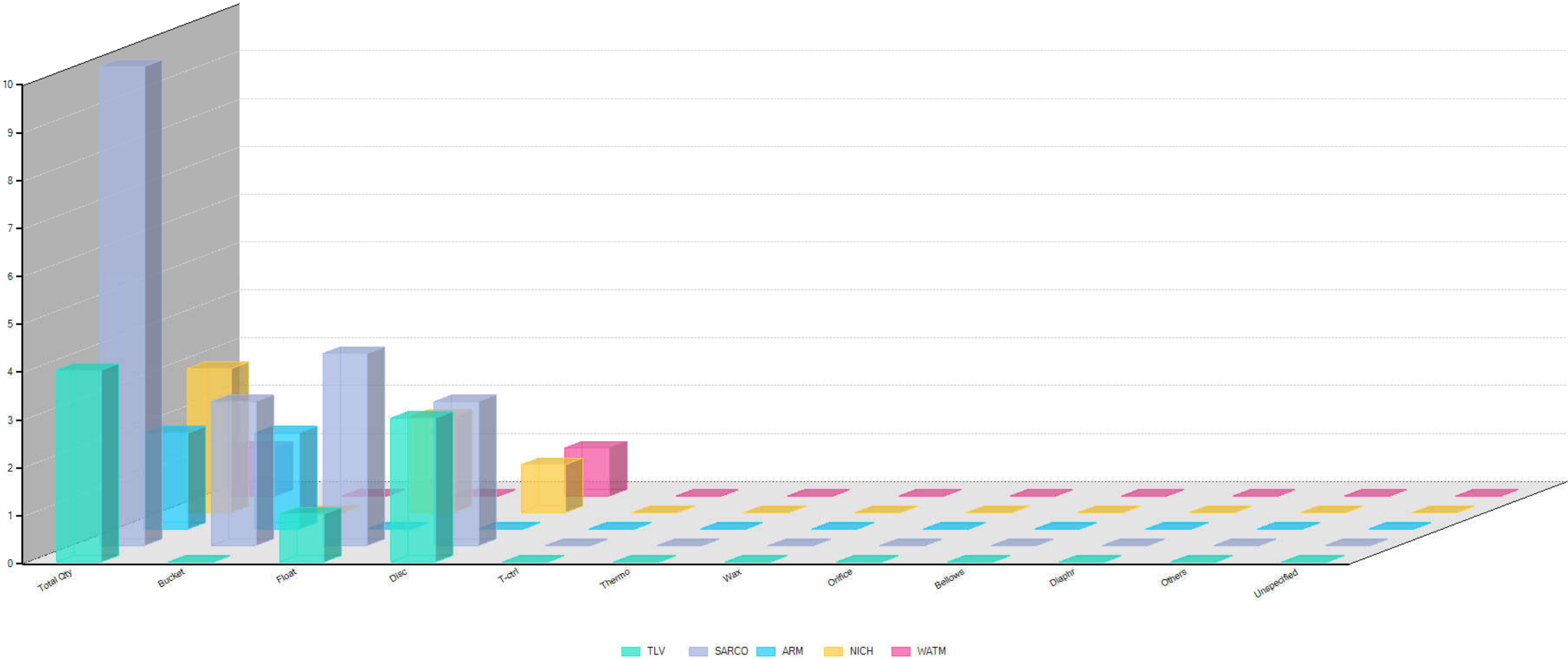
Steam Loss & Annual Money Loss & Annual CO2 Emissions(Summary of All Data)

Survey List Name : DEMO USA Group : All Area : All Event : 2022 Routine Survey

Leak Level	Steam Traps							Total
	Small-1	Small-2	Medium-1	Medium-2	Large-1	Large-2	Blow	
Quantity	1	0	2	1	1	0	7	12
Steam Loss [lb/Year]	60,444	0	332,004	231,264	2,133,936	0	2,491,344	5,248,992
Money Loss [USD/Year]	604	0	3,320	2,313	21,339	0	24,914	52,490
CO2 Emissions [lb/Year]	9,636	0	52,560	35,916	335,508	0	390,696	824,316

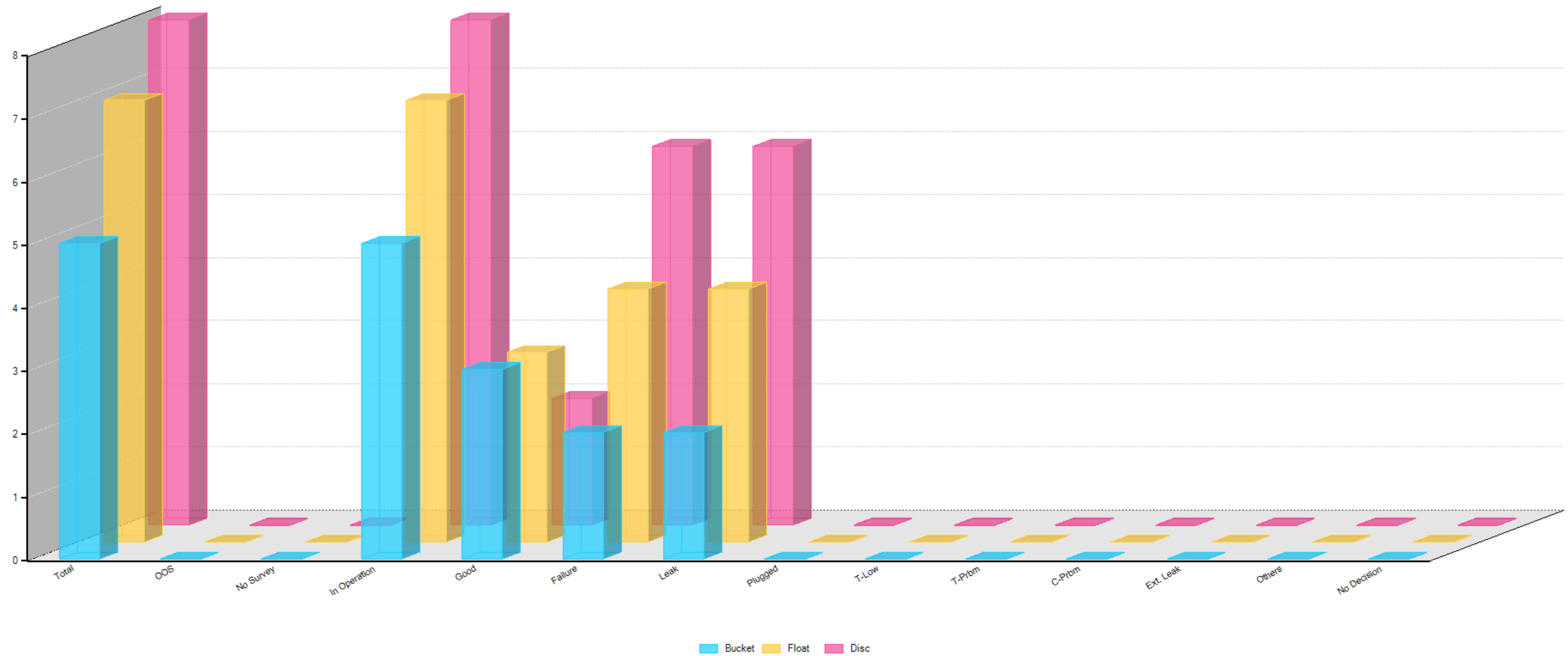
Comparison of Installation by Mfr.

Survey List Name:DEMO USA Group:All Area:All Event:2022 Routine Survey



Comparison of Judgement by Type

Survey List Name: DEMO USA Group: All Area: All Event: 2022 Routine Survey



Judgement Breakdown by Mfr. and Type(Summary of All Data)

2/18/2022

Survey List Name : DEMO USA Group : All Area : All Event : 2022 Routine Survey

Mfr.	Type	Total	OOS	No Survey	In Operation											No Decision
			Ratio	Ratio	Ratio	Good	Failure	Leak	Plugged	T-Low	T-Prbm	C-Prbm	Ext. Leak	Others		
						Op. ratio	Op. ratio	Op. ratio	Op. ratio	Op. ratio	Op. ratio	Op. ratio	Op. ratio	Op. ratio	Op. ratio	
TLV	Float	1	0	0	1	1	0	0	0	0	0	0	0	0	0	
		25%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	75%	0%	0%	100%	67%	33%	33%	0%	0%	0%	0%	0%	0%	0%		
	SARCO	Bucket	20%	0%	0%	100%	75%	25%	25%	0%	0%	0%	0%	0%	0%	0%
			3	0	0	3	2	1	1	0	0	0	0	0	0	0
4		0	0	4	1	3	3	0	0	0	0	0	0	0		
ARM		Bucket	3	0	0	3	0	3	3	0	0	0	0	0	0	0
			30%	0%	0%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%
	50%	0%	0%	100%	30%	70%	70%	0%	0%	0%	0%	0%	0%	0%		
	NICH	Float	100%	0%	0%	100%	50%	50%	50%	0%	0%	0%	0%	0%	0%	0%
			2	0	0	2	1	1	1	0	0	0	0	0	0	0
1		0	0	1	0	1	1	0	0	0	0	0	0	0		
WATM		Disc	3	0	0	3	1	2	2	0	0	0	0	0	0	0
			15%	0%	0%	100%	33%	67%	67%	0%	0%	0%	0%	0%	0%	0%
	100%	0%	0%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%		
	All Mfr.	Bucket	5	0	0	5	3	2	2	0	0	0	0	0	0	0
			25%	0%	0%	100%	60%	40%	40%	0%	0%	0%	0%	0%	0%	0%
35%		0%	0%	100%	43%	57%	57%	0%	0%	0%	0%	0%	0%	0%		
		Disc	40%	0%	0%	100%	25%	75%	75%	0%	0%	0%	0%	0%	0%	0%
			20	0	0	20	8	12	12	0	0	0	0	0	0	0
	Total	100%	0%	0%	100%	40%	60%	60%	0%	0%	0%	0%	0%	0%	0%	
		20	0	0	20	8	12	12	0	0	0	0	0	0	0	0

Judgement Breakdown by Type(Summary of All Data)

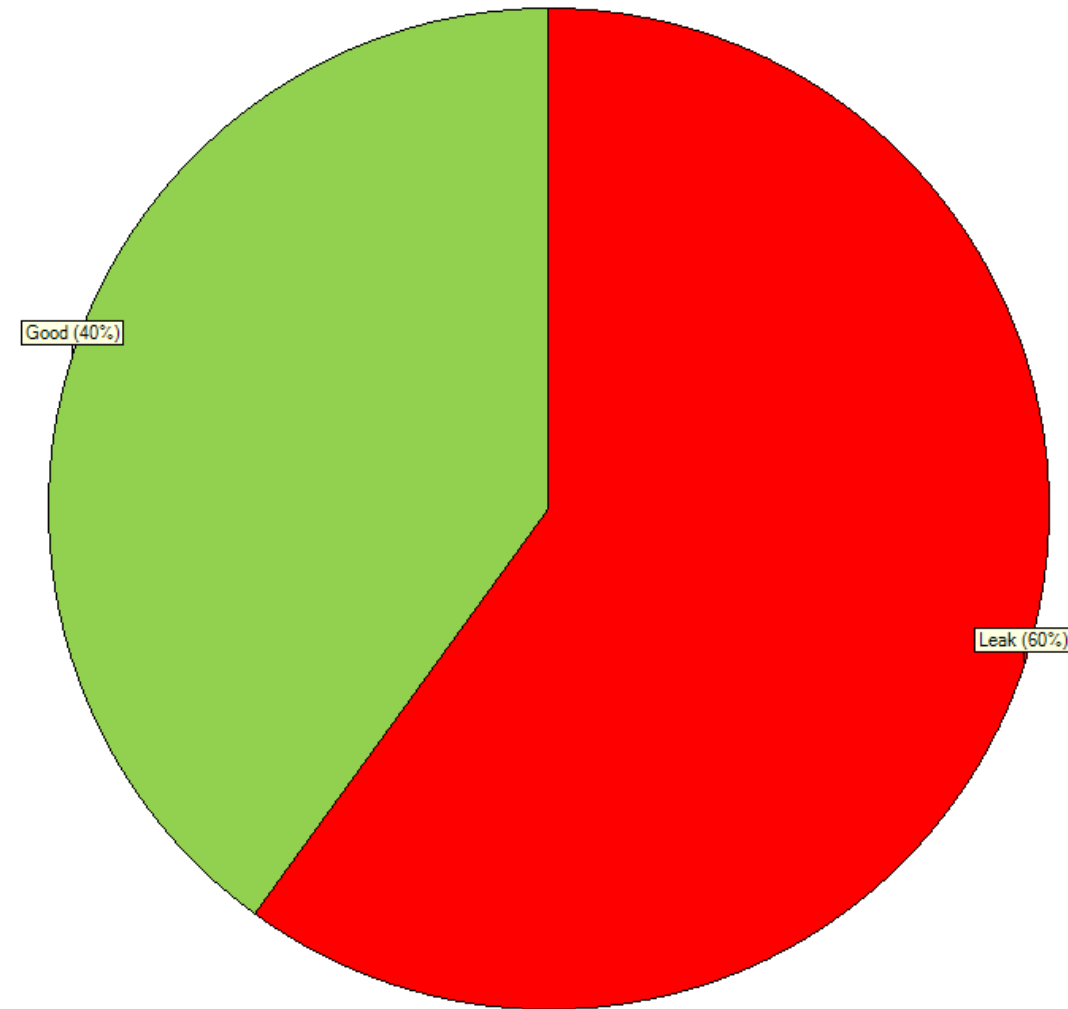
2/18/2022

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Type	Total	OOS	No Survey	In Operation												No Decision
					Good	Failure										
		Ratio	Ratio	Op. ratio	Op. ratio	Op. ratio	Leak	Plugged	T-Low	T-Prbm	C-Prbm	Ext. Leak	Others	Op. ratio		
Bucket	5	0	0	5	3	2	2	0	0	0	0	0	0	0	0	
	25%	0%	0%	100%	60%	40%	40%	0%	0%	0%	0%	0%	0%	0%	0%	
Float	7	0	0	7	3	4	4	0	0	0	0	0	0	0	0	
	35%	0%	0%	100%	43%	57%	57%	0%	0%	0%	0%	0%	0%	0%	0%	
Disc	8	0	0	8	2	6	6	0	0	0	0	0	0	0	0	
	40%	0%	0%	100%	25%	75%	75%	0%	0%	0%	0%	0%	0%	0%	0%	
Total	20	0	0	20	8	12	12	0	0	0	0	0	0	0	0	
	100%	0%	0%	100%	40%	60%	60%	0%	0%	0%	0%	0%	0%	0%	0%	

Ratio of Judgement by Type (All Area)

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Steam Loss & Money Loss by Mfr. and Type(Summary of All Data)

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Mfr.	Type	Leaking Quantity								Steam Loss [lb/Year]	Money Loss [USD/Year]	CO2 Emissions [lb/Year]
		Leak Level	Small-1	Small-2	Medium-1	Medium-2	Large-1	Large-2	Blow			
TLV	Disc	1	0	0	0	0	0	0	1	438,876	4,389	69,204
		100%	0%	0%	0%	0%	0%	0%	100%			
	Total	1	0	0	0	0	0	0	1	438,876	4,389	69,204
		8%	0%	0%	0%	0%	0%	0%	100%			
SARCO	Bucket	1	0	0	0	0	0	0	1	130,524	1,305	20,148
		14%	0%	0%	0%	0%	0%	0%	100%			
	Float	3	1	0	1	0	0	0	1	649,116	6,491	101,616
		43%	33%	0%	33%	0%	0%	0%	33%			
	Disc	3	0	0	1	0	0	0	2	1,116,024	11,160	175,200
		43%	0%	0%	33%	0%	0%	0%	67%			
	Total	7	1	0	2	0	0	0	4	1,895,664	18,956	296,964
		58%	14%	0%	29%	0%	0%	0%	57%			
ARM	Bucket	1	0	0	0	0	0	0	1	238,272	2,383	37,668
		100%	0%	0%	0%	0%	0%	0%	100%			
	Total	1	0	0	0	0	0	0	1	238,272	2,383	37,668
		8%	0%	0%	0%	0%	0%	0%	100%			
NICH	Float	1	0	0	0	0	1	0	0	2,133,936	21,339	335,508
		50%	0%	0%	0%	0%	100%	0%	0%			
	Disc	1	0	0	0	0	0	0	1	310,980	3,110	49,056
		50%	0%	0%	0%	0%	0%	0%	100%			
	Total	2	0	0	0	0	1	0	1	2,444,916	24,449	384,564
		17%	0%	0%	0%	0%	50%	0%	50%			
WATM	Disc	1	0	0	0	1	0	0	0	231,264	2,313	35,916
		8%	0%	0%	0%	100%	0%	0%	0%			
	Total	1	0	0	0	1	0	0	0	231,264	2,313	35,916
		8%	0%	0%	0%	100%	0%	0%	0%			
Total		12	1	0	2	1	1	0	7	5,248,992	52,490	824,316
		100%	8%	0%	17%	8%	8%	0%	58%			