# California Department of Transportation

#### Fleet Utilization Score

EMTSP 2016 - Kris Teague

#### **Background**

California Governor's Executive Order B-2-11 – review of state fleets

Department of General Services (DGS) hired Mercury Fleet Management and Consulting Services to evaluate state agencies and departments fleets. Mercury used Vehicle Allocation Methodology (VAM).

After review, Caltrans was required to reduce 1,324 fleet units.

Caltrans, Division of Maintenance created a team in 2012 to develop practices to better utilize equipment.

#### Team Goals

- Develop a tool/method to quickly evaluate how a fleet unit is actually utilized over the course its lifetime.
- Develop a tool/method to quickly analyze annual fleet usage in order to optimize equipment usage.
- After an evaluation tool is determined, a Division Directive containing business rules would need to be developed and adopted to reassign or reduce fleet units not on track to meet lifetime use goals.

### Utilization - screenshot only

	Summary of DGS OFAM Utilization Analysis Based on Reported Totals in FAMS																														
Line	TRAMS District	Dept. Code	Level 1 Program	Level 2 Program	Level 3 Program	Utilization Analysis Equipment Number	DGS Light Duty Analysis Equipment Number	Age in Months	Age in St Years	Age andard in Months	Age % Usage Miles		Usage Standard	Use %	Repair Costs	Repair Cost Standard	Cost %	Model Year	VIN	Make	Model	License Plate Number	Total Miles	Mercury Mileage Threshold (EO 8-2-11)	Meets Threshold	Days Used in FAMS	Threshold	Meets Days Used Threshold	Days out of Service	In Service Date	UT SCORE
1	03	03-0444	CAPITAL OUTLAY	CONSTRUCTION	CONST OFC -	0010521	0010521	200	16.67	84	2.381 1650	12 990	12000	0 1.38	\$17,679.48	\$2,000.00	8.840	1999	1G1JC5246X7296984	CHEVROLE	CAVALIER	1035543	3,213	6,000	No	99	125	No	13	23-Jul-99	5505
2	03	03-0444	CAPITAL OUTLAY	CONSTRUCTION	CONST OFC -	0010321	0010321		15.83		2.262 10864				\$11,206.06	7.07		20000000		FORD	TAURUS	1046943	3,255	6,000	No	61	125	No	13	19-May-00	5305
2			CAPITAL OUTLAY	CONSTRUCTION	CONST OFC -	0032021	0032021		15.83		2.262 1716				\$23,138.80					FORD	TAURUS	1063135	5,365	6,000		81	125	No	166	23-May-00	5505
1	03	03-0444	CAPITAL OUTLAY	CONSTRUCTION	CONST OFC -	0012043	0012043		13.67	SHORE	1.952 1699				\$16,576.94	200000000000000000000000000000000000000		1000000		TOYOTA	PRIUS	1123341	5,503	6,000	No	70	125	No	70	20-Jun-02	5505
- 4	A 11/03	03-0444	CAPITAL OUTLAY	CONSTRUCTION	CONST OFC -	7005061	7005061	94		- 400	1.119 788	100	20100000000		\$5,983.30				2G1WB58KX89288482	CHEVRUITE	IMPALA	1283003	5,425	6,000	35500	117	125	No	15	15-Apr-08	4203
	03	03-0444	CAPITAL OUTLAY	CONSTRUCTION	FIELD CONST -	7005822	7005822	77			0.917 752				\$4,242.63			2200000	1B3HB48A39D241009	т	CALIBER	1289726	5,869	6,000	No	122	125	No	2	26-Aug-09	3202
0		04-0849	CAPITAL OUTLAY	RIGHT OF WAY	R/W EXEC MGMT -	7000521	7000521		12.42		1.774 1406	- 2			\$10,306.85				1FAFP36Z43W326548		FOCUS	1174769	819	6,000		23	125	No	9	06-Oct-03	5405
10	04	04-0843	CAPITAL OUTLAY	CONSTRUCTION	FIELD CONST -	7000521	7000321	200000000000000000000000000000000000000	12.33	01(00)	1.762 1416	33.63.65.0	St. A. Charles St. A. Charles	5	\$12,783.14	2 /		W. (1)	1FAFP36Z93W326559	Maga occasion	FOCUS	1174781	2,976	6,000	No	125	125	No		00-001-03	3403
11	(S) (S) (S)	04-0570	ADMINISTRATION	ADMINISTRATION	AUTOMOTIVE POOL-	7000513	7000532		12.33	-	1.762 1590		0 000000000000000000000000000000000000		\$10,270.78			70/00/0	1FAFP36Z53W326560	100000000000000000000000000000000000000	FOCUS	1174784	2,295	6.000	3000	55	125	No	15	17-Oct-03	5505
12		04-0570	ADMINISTRATION	ADMINISTRATION	AUTOMOTIVE POOL-	7000332	7000332		10.58		1.512 988				\$10,270.78	- 101			1FAFP36N55W290238		FOCUS	1197975	2,255	6,000	2007	0	125	No	14	28-Jul-05	5305
13			CAPITAL OUTLAY	RIGHT OF WAY	R/W EXEC MGMT -	7002782	7002782		10.50		1.500 774				\$5,360.42				1FAFP36N95W290260		FOCUS	1219804	996	6,000		18	125	No	28	15-Aug-05	5203
14	4		TRAFFIC OPERATIONS	TRAFFIC OPERATIONS	TRAF MGMT -	7002775	7002776		10.50	OH DESI		50				2 3			1FAFP36N15W290267		FOCUS	1219805	100,000,000			94	125		42		5305
15	- 15 mm //	04-0848	CAPITAL OUTLAY	ENGINEERING	SURVEYS -	7002776	7002776	-	10.50	10000	The second second	500	7777		\$8,404.69			75770	1FAFP36N65W290278		FOCUS	1219806	2,502	6,000	No	27	125	No	2000	18-Aug-05	5405
1000	10000	04-0770	TRAFFIC OPERATIONS	TRAFFIC OPERATIONS	TRAF OPS -	7002777		0.4000	1 2 7 7 2 7 5 V		VINCOVAL COMP		SEA COLLEGE		NAME OF TAXABLE PARTY.	A CONTRACTOR OF THE	2000	720 mon V	1FAFP30N05W2902/8	-2000000000	FOCUS	1232198	390	1000	IGUADA .	6337631	900,0000	No	32	12-Aug-05	5405
16		04-0822	The particular term of the control o	11 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	and a first harmonia and		7003495	110		_	1.310 735		_		\$3,261.59				PERHESONO/WIZ391	FORD			5,282	6,000	No	119	125	No	23	11-Dec-06	5202
17		04-0570	ADMINISTRATION	ADMINISTRATION	ESSENCE IN CONTRACTOR OF THE PROPERTY OF THE P	7003492	7003492		9.17	01(00)	1.310 714	100	200 (000) 000		\$4,457.11			N 1000/201	<u> </u>	FORD	FOCUS	1232227	3,790	6,000		59	125	No	38	01-Dec-06	5202
18	B(G) //	04-0817	TRAFFIC OPERATIONS	TRAFFIC OPERATIONS	TRAF OPS -	7004323	7004323	102	10000		1.214 701	201	020000000		\$5,037.80			7070000	5Y2SL65817Z431437	PONTIAC	VIBE	1256312	5,432	6,000	No	59	125	No	13	31-Jul-07	4202
19		04-0770	CAPITAL OUTLAY	ENGINEERING	SURVEYS -	7004333	7004333	103			1.226 561				\$6,366.81				A PARTICULAR DE LA RESPONSA DEL RESPONSA DE LA RESPONSA DE LA RESPONSA DEL RESPONSA DE LA RESPON	PONTIAC	VIBE	1256321	3,405	6,000	NAME OF STREET	67	125	No	58	11-Jul-07	4103
20		04-0570	ADMINISTRATION	ADMINISTRATION	AUTOMOTIVE POOL-	7004344	7004344	103			1.226 1215				\$6,482.61				5Y2SL65887Z431872	PONTIAC	VIBE	1256329	4,282	6,000		54	125	No	56	28-Jun-07	4403
21		04-0824	TRAFFIC OPERATIONS	TRAFFIC OPERATIONS	TRAF OPS -	7004374	7004374	30.000.000	8.67	5410901	1.238 925	202			\$3,882.47	*******************************		100000000000000000000000000000000000000	5Y2SL65847Z431870	PONTIAC	VIBE	1256421	4,999	6,000	10.00000	89	125	No	14	21-Jun-07	4302
22		04-0897	CAPITAL OUTLAY	CONSTRUCTION	CONST -CONST	7006254	7006254	77		50.00	0.917 615	2000	0.0000000000000000000000000000000000000		\$4,016.01			100000000	1G1ZG57K894269000	CHEVROLE	MALIBU	1323861	5,098	6,000	25/200	116	125	No	16	13-Aug-09	3202
23		04-0817	TRAFFIC OPERATIONS	TRAFFIC OPERATIONS	TRAF OPS -	7006354	7006354	77		2010	0.917 495	2/A	SEA OUT ON THE	0.000	\$3,241.91	-11		2007000	1G1ZG57K994270396	THEVROLE	MALIBU	1323885	4,816	6,000	7/01/278	61	125	No	9	13-Aug-09	3101
24		04-1046	MAINTENANCE	MAINTENANCE	AREA - STRUCT STEEL	7008901	7008901	25			0.298 216		-		\$222.08	\$2,558.00	0.087		1G1PK5SB1E7144913	THEVROLE	CRUZE	1426797	5,822	6,000		80	125	No			1000
25		04-0571	ADMINISTRATION	ADMINISTRATION	ADMIN -COS	7008822	7008822	25		01(00)	0.298 135	1000000	200 (0000000000000000000000000000000000	5	\$390.64				1G1RE6E44EU117645	т	VOLT	1434573	5,823	6,000	100000	42	125	No	50	04-Dec-13	1000
7	04	04-0781	CAPITAL OUTLAY	ENGINEERING	FIELD SUPP -	0049686	0049686	-	21.33	-	2.667 1613	200	000000000000000000000000000000000000000		\$26,713.27	* * * * * * * * * * * * * * * * * * * *		1000000	1GTDM19Z2RB552341		SAFARI	897093	1,848	6,000	2000	26	125	No		01-Dec-94	5505
- 8	04	04-0959	CAPITAL OUTLAY	CONSTRUCTION	FIELD CONST -	0011464	0011464		16.00	2800	2.286 1268	100	2000001020010	0.000	\$17,270.47	\$3,100.00	5.571	10.20.0	1FAFP522XYG166830	FORD	TAURUS	1046940	1,312	6,000	NAME OF STREET	100	125	No	36	22-Mar-00	5405
26	04	04-0572	ADMINISTRATION	ADMINISTRATION	ADMIN EXEC MGMT-	7008829	7008829	25			0.298 176	-			\$239.20				1G1RE6E4XEU117441	THEVRUTE	VOLT	1434574	5,046	6,000	-	40	125	No	28	03-Dec-13	1000
27	04	04-0885	CAPITAL OUTLAY	CONSTRUCTION	CONST EXEC MGMT-	7008879	7008879	25	2.08	84	0.298 1350	07 648	12000	0.11	\$290.74	\$2,558.00	0.114	2014	1G1PK5SB3E7146565	THEVROTE	CRUZE	1434760	4,860	6,000	No	92	125	No			1000
28	06	06-1580	CAPITAL OUTLAY	CONSTRUCTION	CONST -	7005206	7005206	94	7.83	84	1.119 343	11 438	12000	0.29	\$4,273.69	\$3,100.00	1.379	2008	2G1WB58K181204760	T	IMPALA	1283193	4,711	6,000	No	92	125	No	6	16-Apr-08	4103
29		06-1577	CAPITAL OUTLAY	CONSTRUCTION	CONST -	7005788	7005788	80	6.67	84	0.952 542	35 813	12000	0.45	\$4,962.89		1.341	2009	JHMFA36239S015450	HONDA	CIVIC	1289639	5,262	6,000	No	114	125	No	39	13-May-09	3101
30	07	07-1766	LOCAL ASSISTANCE	ENGINEERING	LOCAL ASST -PROG	0010403	0010403	176	14.67	84	2.095 872	35 595	12000	0.73	\$15,726.48	\$3,700,00	4.250	2001	JT2BK12U210032600	TOYOTA	PRIUS	1084670	693	6,000	No	42	125	No	64	02-Jul-01	5205

The team found that a lot of time and effort was required to sort through and evaluate the large amounts of usage data. They determined an effective tool would be a scoring criteria.

Percent of Life	IN								
Months in	SERVICE	% of Life Meter	LIFE USAGE	% Of Replacement	Avg Meter Use	IN SERVICE LIFE	% Of Annual Min	ANNUAL	UTILIZATION
Service				Standard Years	Per Year	IN SERVICE LIFE	Usage Standard	USAGE	SCORE
_	LIFE 🗔	▼	▼	<b>*</b>	▼	▼	▼	▼	▼
78%	3	24%	1	75%	148	3	32%	1	311
69%	3	130%	5	67%	895	3	195%	5	355
69%	3	87%	4	67%	598	3	131%	5	345
69%	3	86%	4	67%	589	3	129%	5	345
69%	3	77%	3	67%	529	, 3	115%	5	335
69%	3	65%	3	67%	446	3	97%	4	334
69%	3	43%	,	67%	293	3	64%	3	323
69%	3	31%	1	67%	213	3	46%	2	312
68%	3	81%	4	67%	554	3	121%	5	345
68%	3	63%	3	67%	430	3	94%	4	334
68%	3	47%	2	67%	325	3	71%	3	323
64%	3	81%	4	67%	559	, 3	122%	5	345
64%	3	75%	,	67%	515	3	112%	5	335
64%	3	60%	2		412	3	90%	4	324
64%	3	55%	2		376	3	82%	4	324
64%	3	34%	1	67%	231	3	50%	2	312
63%	3	74%	3	67%	509	3	111%	5	335
63%	3	73%	3	67%	502	3	110%	5	335
63%	3	39%	1	67%	268	3	59%	2	312
63%	3	51%	2	58%	404	2	88%	4	324
63%	3	42%	2	58%	332	2	72%	3	323
63%	3	33%	1	58%	263	2	57%	2	312
63%	3	33%	1	58%	260	2	57%	2	312
63%	3	33%	1	58%	257	2	56%	2	312
63%	3	31%	1	58%	241	2	53%	2	312
63%	3	30%	1	58%	236	2	52%	2	312
63%	3	30%	1	58%	232	2	51%	2	312
63%	3	27%	1	58%	216	2	47%	2	312
63%	3	25%	1	58%	198	2	43%	2	312
63%	3	25%	1	58%	196	2	43%	2	312
63%	3	22%	1	58%	174	2	38%	1	311
63%	3	21%	1	58%	165	2	36%	1	311
63%	3	19%	0	58%	150	2	33%	1	301
62%	3	69%	3	58%	545	2	119%	5	335
62%	3	57%	2	58%	446	2	97%	4	324

#### Breakdown of a Utilization Score

Score Format: X Y Z

X: % of total life age

Y: % of total life use (mileage/hours)

Z: % of usage for the last 12 months

#### Score values:

0 = 0% to 20%

1 = 20% to 40%

2 = 40% to 60%

3 = 60% to 80%

4= 80% to 100%

5= over 100%

#### Repair Cost, A Future Enhancement

## Add a 4<sup>th</sup> Digit to the Utilization Score? 5555

Adding a 4<sup>th</sup> digit to the utilization score to represent the amount of repair costs spent on a fleet unit compared to its repair standard.

The repair standard for a unit is ½ its capital cost.

For Example, maintenance class 36301 Grader – 6 Wheel Drive with Plow has an average Repair Standard of \$83,250.

Score	Repair Costs
0	\$0 to \$16,650
1	\$16,651 to \$33,300
2	\$33,301 to \$49,950
3	\$49,951 to \$66,600
4	\$66,600 to \$83,250
5	\$83,250 and Above

Di st	Dept Code	Cost Center Name	Equip ID	MC JT	Description	In Service Date	U SCORE
03	03-0520	CHICO NORTH	3637133	36301	GRADER-6 WHL DR W/ PLOW 150	05/14/03	4453
06	06-1627	SHAVER LAKE	3637132	36301	GRADER-6 WHL DR W/ PLOW 150	05/21/03	4444
11	11-2875	EL CENTRO TW CREW	3638025	36301	GRADER-6 WHL DR W/ PLOW 150	07/23/02	4432
11	11-2875	EL CENTRO TW CREW	3638027	36301	GRADER-6 WHL DR W/ PLOW 150	08/15/02	4434
09	09-2483	TEHACHAPI MAINTENANCE	3637131	36301	GRADER-6 WHL DR W/ PLOW 150	05/12/03	4425
03	03-0500	SOUTH LAKE TAHOE	3638015	36301	GRADER-6 WHL DR W/ PLOW 150	08/19/02	4335
11	11-2877	MIDWAY TW CREW	3638019	36301	GRADER-6 WHL DR W/ PLOW 150	08/22/02	4334
08	08-2348	BEECHER S CORNER	3634021	36301	GRADER-6 WHL DR W/ PLOW 150	11/20/02	4253
06	06-1622	COARSEGOLD	3638017	36301	GRADER-6 WHL DR W/ PLOW 150	07/10/02	4234
02	02-0174	WEAVERVILLE CREW	3637130	36301	GRADER-6 WHL DR W/ PLOW 150	10/27/03	4215
11	11-2887	DESCANO TW CREW	3638026	36301	GRADER-6 WHL DR W/ PLOW 150	07/23/02	4213
07	07-2064	BIG SYCAMORE ROAD CREW	3638023	36301	GRADER-6 WHL DR W/ PLOW 150	11/02/02	4115
07	07-1984	NORTH ROAD CREW #1	3638018	36301	GRADER-6 WHL DR W/ PLOW 150	11/20/02	4115
07	07-2059	VENTURA ROAD CREW	3638022	36301	GRADER-6 WHL DR W/ PLOW 150	11/20/02	4115
07	07-1976	CHILAO ROAD CREW	3638024	36301	GRADER-6 WHL DR W/ PLOW 150	11/20/02	4112
07	07-2012	FOOTHILL ROAD CREW #1	3638020	36301	GRADER-6 WHL DR W/ PLOW 150	11/20/02	4101
07	07-2049	LAS FLORES ROAD CREW	3638021	36301	GRADER-6 WHL DR W/ PLOW 150	11/20/02	4105

Di	Dept Code →	Cost Center Name	Equip ID	MC_T	Description	J	Service	U SCOR ↓↓
06	06-1627	SHAVER LAKE	7002412	36301	GRADER-6 WHL DR W/ PLOW	150	02/17/06	3451
08	08-2353	FAWNSKIN CREW	7000474	36301	GRADER-6 WHL DR W/ PLOW	150	05/23/05	3352
09	09-2497	SONORA JCT MAINTENANCE	7000483	36301	GRADER-6 WHL DR W/ PLOW	150	01/04/05	3351
09	09-2485	INYOKERN MAINTENANCE	7002337	36301	GRADER-6 WHL DR W/ PLOW	150	01/27/06	3352
02	02-0187	CHESTER CREW	7000169	36301	GRADER-6 WHL DR W/ PLOW	150	03/11/05	3332
10	10-2618	PEDDLER HILL CREW	7002344	36301	GRADER-6 WHL DR W/ PLOW	150	01/15/06	3323
05	05-1257	BIG SUR CREWS	7002200	36301	GRADER-6 WHL DR W/ PLOW	150	02/08/06	3250
09	09-2482	MOJAVE MAINTENANCE	7002336	36301	GRADER-6 WHL DR W/ PLOW	150	01/24/06	3241
09	09-2488	BISHOP MAINTENANCE	7002054	36301	GRADER-6 WHL DR W/ PLOW	150	02/02/06	3241
11	11-2876	BRAWLEY EAST TW CREW	7000470	36301	GRADER-6 WHL DR W/ PLOW	150	09/14/05	3242
02	02-0178	SUSANVILLE CREW - WEST	7000417	36301	GRADER-6 WHL DR W/ PLOW	150	03/01/05	3232
02	02-0176	PLATINA	7000168	36301	GRADER-6 WHL DR W/ PLOW	150	03/11/05	3231
02	02-0181	ALTURAS CREW	7002065	36301	GRADER-6 WHL DR W/ PLOW	150	03/29/06	3230
09	09-2494	CRESTVIEW	7000482	36301	GRADER-6 WHL DR W/ PLOW	150	01/07/05	3232
02	02-0180	HAT CREEK CREW	7000418	36301	GRADER-6 WHL DR W/ PLOW	150	02/19/05	3224
02	02-0166	REDDING EAST	7002062	36301	GRADER-6 WHL DR W/ PLOW	150	03/07/06	3224
06	06-1605	PORTERVILLE 2	7002413	36301	GRADER-6 WHL DR W/ PLOW	150	02/17/06	3223
02	02-0173	TRINITY CENTER	7002064	36301	GRADER-6 WHL DR W/ PLOW	150	03/07/06	3220
09	09-2493	MC GEE CREEK	7000481	36301	GRADER-6 WHL DR W/ PLOW	150	01/07/05	3210
07	07-1985	LEBEC ROAD CREW	7002118	36301	GRADER-6 WHL DR W/ PLOW	150	08/15/06	3131
07	07-1986	LANCASTER ROAD CREW	7002117	36301	GRADER-6 WHL DR W/ PLOW	150	03/02/06	3130
02	02-0170	MOUNT SHASTA CREW	7002063	36301	GRADER-6 WHL DR W/ PLOW	150	03/07/06	3120
09	09-2487	INDP MAINTENANCE	7002053	36301	GRADER-6 WHL DR W/ PLOW	150	02/01/06	3110

		UTILIZA
MC	Description	TION
<b>↓</b> Î	▼	SCOR_ <sup>™</sup>
00480	SUV MINI SIZE	543
00490	SUV MINI BATTERY ELECTRIC	000
00521	BUS 21-36 PASSENGER	511
00580	SUV SMALL SIZE	543
00604	PICKUP CREW CAB 1/2 TON GAS	543
00607	PICKUP W/A/C 1/2 TON	552
00608	PICKUP 1/2-TON AFV	322
00627	PICKUP 1/2 TON EXTENDED CAB	553
00628	PICKUP 1/2 TON EXTENDED CAB FLEX FUEL	213
00664	PICKUP CREW CAB 1/2 TON FLEX	322
00680	SUV MID SIZE	543
00688	SUV MID SIZE FLEX FUEL	102
00708	PICKUP SUPER 1/2-TON AFV	553
00728	PICKUP SUPER 1/2TON EXTCAB AFV	553
00804	PICKUP CREW CAB	433
00807	PICKUP W/A/C 3/4 TON	434
00808	PICKUP 3/4-TON FLEX FUEL	000
00809	PICKUP 3/4 TON CREW CAB FLEX FUEL	000
00827	PICKUP 3/4 TON EXTENDED CAB	434
00828	PICKUP 3/4 TON EXTD CAB FLEX FUEL	000
00830	UTILITY BODY	543
00835	UTILITY BODY SURVEY 3/4 TON	113
00836	MECHANIC BODY 3/4 TON GAS	411
00840	VAN SURVEY	532

Utilization Scores attached to entire Maintenance Classes (MC)

#### **Highlights:**

Which MC used most
Which MC used least
Overall MC Age
Overall MC Use
Overall Annual Use

		UTILIZA
MC	Description	TION
<b>‡</b> Î	▼	SCOR_
35015	FORKLIFT 4 TON	113
35030	FORKLIFT 7-1/2 TON	224
35035	FORKLIFT 10 TON	101
35054	FORKLIFT 1 TON ELECTRIC SIT	511
35056	FORKLIFT 1-1/2 TON ELECTRIC	512
35058	FORKLIFT 2 TON ELECTRIC STAND	412
35059	FORKLIFT 2TON ELECTRIC SIT	201
35702	GENERATOR 5KW W/FLOOD LIGHT	433
35720	GENERATOR ELECTRIC 126 TO 175	101
36102	GRADER-TANDEM DRIVE 130	212
36301	GRADER-6 WHL DR W/ PLOW 150	323
36401	GRADER 6WHL DR W/2 PLOWS 175 H	334
36421	GRADER 6WHL DR W/2 PLOWS 210HP	212
36563	GRINDER ASPHALT W/CONVEYOR 42I	313
36564	GRINDER ASPHALT W/CONVEYOR 601	455
36601	GUARD RAIL STRAIGHTENER	532
39607	KETTLE HEAT TRANSFER DBL BOILE	422
39608	KETTLE HEAT TRANSFER 400 GAL	422
39610	KETTLE EMULSION W/SPRAY BAR TRLR	212
39612	KETTLE HT 400GL W/BR W/O ENG H	355
41514	LOADER 1-1/2C Y CRAWLER TRAC M	511
41802	LOADER SKID STEER	201
41832	LOADER FRONT END 1 C.Y.	542
41846	LOADER FRONT END 1-1/2 C.Y.	433
41864	LOADER FRONT END 2-1/2 C.Y.	334

## Questions?