

63" 93 A
69" -13 A1
17 A2
11-11

MR. Y.
JUN 12 1938

N O R T H E R N P A C I F I C R A I L W A Y C O M P A N Y

OFFICE OF ASSISTANT TO VICE PRESIDENT
(MECHANICAL)

JUNE 1st 1938

UNION PACIFIC RY. CO.
Office of Shop Supt.
JUN 12 1938
LIVINGSTON, MONT.

The following changes were made in locomotive assignment during the month:

St. Paul Division Locomotives Nos. 2601, 2602 and 2606 were transferred to the Rocky Mountain Division, and Nos. 2600 and 2604, to the Tacoma Division.

St. Paul Division Locomotive No. 451, which was authorized for transfer to the Lake Superior Division, April 23rd, was not transferred account necessary to use on Red River Branch.

Fargo Division Locomotives Nos. 2226 and 2227 were transferred to the Lake Superior Division.

Tacoma Division Locomotives Nos. 1529 and 2265, both oil burners, were transferred to the Rocky Mountain Division.

New Class A-3 Locomotives Nos. 2663, 2664, 2665 and 2666, were received from the builders and assigned to the St. Paul Division.

Tacoma Division Locomotive No. 4021 was transferred to the Rocky Mountain Division.

Total number locomotives assigned 938.

E. L. Grimm,

Ass't. to Vice President.

104,500
107,500
153,100 - 12,100
3000
4000
1200

NORTHERN PACIFIC RAILWAY COMPANY
OFFICE OF ASSISTANT TO VICE PRESIDENT
CLASSIFICATION OF SERVICE SHOWING ACTUAL LOCATION

DISTRIBUTION OF POWER JUNE 1st 1938

Service	L.S.	St. Paul	Fargo	Y.S.	R.M.	Idaho	Tacoma	Total	
PASSENGER									
1938	A	20	32	14	10	49	22	33	180
	S	1	6	-	1	1	2	4	15
	W	3	1	-	-	1	-	-	5
	/	5	-	1	1	1	3	-	11
1937	A	14	28	18	12	42	21	33	168
	S	1	3	1	1	4	-	2	12
	W	2	-	-	-	1	2	-	5
	/	4	-	1	1	1	-	-	7
FREIGHT									
1938	A	34	81	65	64	66	97	95	502
	S	1	3	4	5	2	10	3	28
	W	4	7	3	6	3	6	6	35
	/	2	9	3	6	6	18	8	52
1937	A	39	80	63	63	63	110	91	509
	S	6	4	3	4	4	10	4	35
	W	1	8	4	4	1	7	1	26
	/	3	13	2	6	4	15	8	51
WORK									
1938	A	-	-	1	-	-	-	1	2
	S	-	-	-	-	-	-	1	1
	W	-	-	-	-	-	-	-	-
	/	-	-	-	-	-	-	-	-
1937	A	-	1	1	-	-	-	1	3
	S	-	-	-	-	-	-	-	-
	W	-	-	-	-	-	-	-	-
	/	-	-	-	-	-	-	-	-
SWITCH									
1938	A	44	41	18	25	20	21	64	233
	S	3	1	-	1	2	1	1	9
	W	4	3	-	-	-	-	6	13
	/	1	5	-	2	-	2	2	12
1937	A	40	40	18	24	19	21	62	224
	S	3	4	3	1	1	1	-	13
	W	1	1	-	-	-	1	2	5
	/	3	1	-	2	-	2	2	10
LEASED									
1938		11	-	-	-	-	6	4	21
1937		9	-	-	-	-	5	4	18
TOTAL									
1938	A	109	154	98	99	135	146	197	938
	S	5	10	4	7	5	13	8	52
	W	11	11	3	6	4	6	13	54
	/	8	14	4	9	7	23	10	75
1937	A	102	149	100	99	124	157	191	922
	S	10	11	7	6	9	11	6	60
	W	4	9	4	4	2	10	3	36
	/	10	14	3	9	5	17	10	68
"A"	Assigned								
"S"	At Shop								
"W"	Waiting to go to Shop								
"/"	Stored not serviceable or waiting disposition.								

NORTHERN PACIFIC RAILWAY COMPANY
 OFFICE OF ASSISTANT TO VICE PRESIDENT
 DISTRIBUTION OF POWER BY CLASSES JUNE 1st 1938

Class	L.S.	St. Paul	Fargo	Y.S.	R.M.	Idaho	Tacoma	Total
A		3			5		4	12
A1							1	1
A2			6		4			10
A3		7						7
B	4	1						5
C2				1				1
D2	(1)							(1)
D3		1						1
F1		2					11	13
G1		4						4
G2	2	9		7	2			20
L6	2			1		2	(2) 2	(2) 7
L7	6	1						7
L9	15	10	2	3	2	(1) 5	(1) 37	(2) 74
L10		7	3					10
P	2			1			1	4
P1	2		1			1	1	5
P2			1			(1)	1	(1) 2
Q		7			1	2	1	11
Q1	(2) 1		11		8	4	3	(2) 27
Q3	(1) 6	9		2		4	1	(1) 22
Q4	2	3	7	2	6	12	8	40
Q5	2		3	5	8			20
Q6		6			2		12	20
S4					5	(2) 21	12	(2) 38
S10	2							2
T	(7) 6	16	5	6	2	10	2	(7) 47
T1	5	8	4					17
W	18	32	13	5	21	(2) 25	25	(2) 139
W1		2	11			4	(1) 21	(1) 38
W2			3	14				17
W3	19	23	22	27	14	12	13	130
W4				6				6
W5					9	16		25
X		3						3
Y				4	7		3	14
Y1			4	3	6			13
Y2						9	14	23
Y3	4				1	5	4	14
Z					3			3
Z1					2			2
Z2					5			5
Z3					5		16	21
Z4					4			4
Z5				12				12
Z6					13	8		21
Leased (11)						(6)	(4)	(21)
On								
Division	98	154	98	99	135	140	193	917
Total								
1938	109	154	98	99	135	146	197	938
Total								
1937	102	149	100	99	124	157	191	922

Note: Locomotives leased are shown in parentheses.

NORTHERN PACIFIC RAILWAY COMPANY

OFFICE OF ASSISTANT TO VICE PRESIDENT

SUMMARY

<u>Division</u>	<u>Total Assigned</u>	<u>Total on Division</u>	<u>Leased</u>	<u>Engines Stored in Serviceable Condition</u>	<u>Engines Stored not in Serviceable Condition</u>
Lake Supr.	109	98	16	16	8
St. Paul	154	154	-	16	14
Fargo	98	98	-	16	4
Y.S.	99	99	-	16	9
Rky. Mtn.	135	135	-	21	7
Idaho	146	140	6	25	23
Tacoma	197	193	4	11	10

<u>Total</u>	<u>938</u>	<u>917</u>	<u>21</u>	<u>121</u>	<u>75</u>

Total on Active List 938.					

NORTHERN PACIFIC RAILWAY COMPANY

OFFICE OF ASSISTANT TO VICE PRESIDENT

LOCOMOTIVES LEASED

JUNE 1st 1938

<u>Eng. No.</u>	<u>Class</u>	<u>Division</u>	<u>Leased</u>	<u>To</u>
558	D2	Lake Superior	12- 1936	Minn. & Int. Ry.
2305	T	Lake Superior	7- 1935	Minn. & Int. Ry.
2419	T	Lake Superior	5- 1935	Minn. & Int. Ry.
2344	T	Lake Superior	1- 1937	Minn. & Int. Ry.
2446	T	Lake Superior	8- 1937	Minn. & Int. Ry.
2386	T	Lake Superior	1- 1935	Minn. & Int. Ry.
2424	T	Lake Superior	11-25-35	Minn. & Int. Ry.
2412	T	Lake Superior	5- 1938	Minn. & Int. Ry.
2103	C1	Lake Superior	6-23-37	Minn. & Int. Ry.
2134	C1	Lake Superior	7-8-37	Minn. & Int. Ry.
2166	C3	Lake Superior	5-6-38	Minn. & Int. Ry.
244	P2	Idaho	5- 1936	Camas Prairie RR
1630	W	Idaho	11-5-36	Camas Prairie RR
1618	W	Idaho	7-28-37	Camas Prairie RR
1049	L9	Idaho	7-20-34	Camas Prairie RR
1352	S4	Idaho	4-17-37	Camas Prairie RR
1380	S4	Idaho	3-1- 37	Camas Prairie RR
1676	W1	Tacoma	8-15-36	Camas Prairie RR
1132	L9	Tacoma	2-10-36	King St. Terminal
916	L6	Tacoma	3- 7-35	McCleary Tbr.Co.
901	L6	Tacoma	2-13-28	McCleary Tbr.Co.

TOTAL NUMBER LEASED 21.

NORTHERN PACIFIC RAILWAY COMPANY
OFFICE OF ASSISTANT TO VICE PRESIDENT

LOCOMOTIVES WITH EXTRA EQUIPMENT

JUNE 1st 1938

<u>Division</u>	<u>L.S.</u>	<u>St.P.</u>	<u>Fgo.</u>	<u>Y.S.</u>	<u>R.M.</u>	<u>Ida.</u>	<u>Tac.</u>	<u>Totl</u>
<u>Superheaters</u>	<u>84</u>	<u>138</u>	<u>93</u>	<u>90</u>	<u>128</u>	<u>128</u>	<u>148</u>	<u>808</u>
<u>Feedwater Heaters</u>	<u>10</u>	<u>13</u>	<u>13</u>	<u>29</u>	<u>40</u>	<u>19</u>	<u>11</u>	<u>135</u>
<u>Stokers</u>	<u>21</u>	<u>39</u>	<u>49</u>	<u>61</u>	<u>77</u>	<u>48</u>	<u>41</u>	<u>334</u>
<u>Boosters</u>	<u>-</u>	<u>8</u>	<u>-</u>	<u>12</u>	<u>15</u>	<u>16</u>	<u>5</u>	<u>56</u>
<u>Thermic Siphons</u>	<u>2</u>	<u>5</u>	<u>4</u>	<u>16</u>	<u>21</u>	<u>17</u>	<u>1</u>	<u>66</u>
<u>Oil Burners</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2</u>	<u>2</u>	<u>18</u>	<u>22</u>
<u>Spark Arresters-Maxter-Mech.</u>	<u>72</u>	<u>73</u>	<u>10</u>	<u>29</u>	<u>31</u>	<u>24</u>	<u>99</u>	<u>338</u>
<u>Spark Arresters-Cyclone</u>	<u>37</u>	<u>81</u>	<u>88</u>	<u>70</u>	<u>103</u>	<u>120</u>	<u>74</u>	<u>572</u>
<u>Spark Arresters Baffle Plate</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>6</u>	<u>6</u>

NOTE: All locomotives in the following classes are equipped with superheaters:

A	W
A1	W1
A2	W2
G1	W3
G2	W4
L10	W5
N1	X
P1	Y
P2	Y1
Q	Y2
Q3	Y3
Q4	Z2
Q5	Z3
Q6	Z4
S4	Z5
	Z6

NORTHERN PACIFIC RAILWAY COMPANY
OFFICE OF ASSISTANT TO VICE PRESIDENT

ASSIGNMENT OF GAS-ELECTRIC MOTOR CARS

JUNE 1st 1938

<u>NUMBER</u>	<u>TRAINS</u>	<u>BETWEEN</u>
B-3	31-32	Brainerd-Little Falls
B-5	501-502	Centralia-Gate
B-6	Stored at Como	
B-8	333-334	Yakima Gibbon
B-9	In South Tacoma Shop	
B-10	591-594	Centralia-So.Bend(Sunday Only)
B-11	M&I Ry	Bemidji-Kelliher
B-12	323-324	Lewiston-Stites
B-13	51-52	Duluth-Ashland
B-14	315-316	Spokane-Coulee
B-15	161-162	Mandan-Mott
B-16	147-148	Jamestown-Wilton
B-17	121-122	Manitoba Jct-Fargo
B-19	422-461) 464-423)	Seattle-Hoquiam
B-18	443-444	Seattle-Bellingham
B-20	111-112	Staples-Oakes
B-21	163-164	Mandan-Kildeer
B-22	111-112	Staples-Oakes
B-23	29-30	Little Falls-Morris
B-24	55-56	Duluth-Staples
B-26	291-292	Helena-Garrison
M&I M-1	157-158	Jamestown-Leeds

NORTHERN PACIFIC RAILWAY COMPANY
OFFICE OF ASSISTANT TO VICE-PRESIDENT

JUNE 1st 1938.

DISTRIBUTION OF POWER

LAKE SUPERIOR DIVISION

Eng.						Eng.					
No.	Class	Pass.	Frnt.	Work	Switch	No.	Class	Pass.	Frnt.	Work	Switch
C 225	PI	x	/Duluth			1560	W		Duluth	Stored	x
230	PI	x	/Duluth			C1570	W			x	
C#250	P	x	Wtg.Duluth Shop			1577	W			x	
#253	P	x	/Brainerd			1584	W			x	
521	S10	x	Mxd.			1588	W			x	
522	S10		x Mxd.			1601	W		/Duluth	x	
558	D2		Leased M&I Ry			1605	W			x	
330	B	x	Wtg.Shop Duluth			1609	W			x	
355	B	x	Wtg.St.Paul Shop			C1632	W			x	
359	B	x	/St.Paul			1642	W		Duluth	Stored	x
361	B	x				1643	W			x	
902	L6		Brainerd		x	1647	W			x	
906	L6		Stored Staples		x	1657	W		Duluth	x	Stored
1027	L7		Brainerd		x	1689	W		Duluth	Stored	x
1029	L7		Brainerd		x	CH%1702	W3			x	
1030	L7		Brainerd		x	*CH%1703	W3		Brainerd		x
1031	L7		Stored Duluth		x	C%1707	W3			x	
1035	L7		Duluth		x	C%1725	W3		Wtg.Brdx	Shop	
1037	L7		Duluth		x	C%1740	W3		Wtg.Brdx	Shop	
#1040	L9		Stored Duluth		x	C%1758	W3			x	
1042	L9		Brainerd Shop		x	*C%1760	W3		Stored	x	Duluth
#1043	L9		Duluth		x	C%1764	W3		Wtg.Brd.x	Shop	
#1045	L9		Brainerd Shop		x	C%1768	W3		Duluth	x	Shop
#1051	L9		Duluth		x	CH%1771	W3			x	
#1052	L9		Duluth		x	C%1773	W3		Stored	x	Duluth
#1055	L9		Duluth		x	CH%1774	W3		Stored	x	Duluth
1060	L9		Duluth Stored		x	CH%1786	W3			x	
#1062	L9		Duluth		x	CH%1790	W3			x	
#1063	L9		Duluth		x	CH%1793	W3			x	
#1071	L9		Duluth		x	C%1819	W3			x	
#1112	L9		Duluth Stored		x	C%1827	W3		Wtg.	x	Brd.Shop
#1114	L9		Duluth		x	HC%1832	W3			x	
#115	L9		Duluth		x	C%1833	W3			x	
1120	L9		Brainerd Shop		x	2103	Q1		Leased M&I Ry		
1182	G2		DuluthWtg.Brd.Shop		x	2134	Q1		Leased M&I Ry		
1183	G2		Duluth		x	2146	Q1	x	/Brainerd		
1203	Y3		Duluth		x	C2148	Q3	x	Brd.Shop		
1209	Y3		Duluth		x	2148	Q3	x			
1317	Y3		Duluth		x	2151	Q3	x			
1319	Y3		Duluth Wtg.Shop		x	2165	Q3	x			
1355	W		Duluth x Stored			C2166	Q3		Leased M&I Ry		
1357	W		Stored x Brainerd			C2167	Q3	x			
1358	W		x			C2168	Q3	x			
1359	W		/Duluth x Wtg.Dispn.			C2200	Q4	x			
						C2205	Q4	x			
						CH%2223	Q5	x			
						CH%2229	Q5	x			

LAKE SUPERIOR DIVISION

LAKE SUPERIOR DIVISION (Cont.,)

Eng.

No.	Class	Pass.	Frnt.	Work	Switch
C#2305	T	Leased	M&I Ry		
2318	T	Duluth			x
# 2321	T	Duluth			x
2334	T	Duluth	Stored		x
# 2344	T	Leased	M&I Ry		
2381	T	Stored	Duluth		x
C#2386	T	Leased	M&I Ry		
2401	T	Stored	Duluth		x
2412	T	Leased	M&I Ry		
C#2419	T	Leased	M&I Ry		
C#2424	T	Leased	M&I Ry		
2441	T	Duluth	Stored		x
C#2446	T	Leased	M&I Ry		
2451	Tl	Duluth			x
# 2452	Tl	Duluth			x
# 2462	Tl	Duluth			x
# 2463	Tl	Duluth	Wtg. Brd.	x	Shop
# 2487	Tl	Duluth	Wtg. Brd.	x	Shop

Assigned.....109
 Leased.....10
 On Division.....99
 # Superheaters, note also sheet

0407

M1

D-1-11

RI

D 1

01

NORTHERN PACIFIC RAILWAY COMPANY
OFFICE OF ASSISTANT TO VICE PRESIDENT

MAX JUNE 1, 1938

DISTRIBUTION OF POWER

SAINT PAUL DIVISION

Eng. No.	Class	Pass.	Frnt.	Work	Switch	Eng. No.	Class	Pass.	Frnt.	Work	Switch
103	X	Stored	x	Staples		1532	W	Northtown	x	Tfr.	
105	X	Staples	x			1535	W	Stored	x	Tfr. Northtown	
110	X		x	Staples		1540	W		x		
112	F1		x	St. Paul		C1541	W	x			
115	F1		x			1546	W	Wtg. St. Paul	x	Tfr. Shop	
1451	D3		x			C1551	W	Stored	x	Dilworth	
1034	B	x	Brd. Shop			1552	W		x		
1035	L7		Little Falls		x	1554	W	Stored	x	Staples	
1044	L9		St. Paul		x	C1558	W	Wtg. Shop	x	St. Paul	
# 1058	L9		St. Paul Shop		x	C1561	W	Wtg. Shop	x	St. Paul	
# 1065	L9		x			1568	W	Stored	x	St. Paul	
# 1067	L9		Stillwater		x	1572	W	Stored	x	Staples	
# 1068	L9		Northtown		x	1574	W		x	Tfr.	
# 1088	L9		St. Paul		x	1576	W	Stored	x	Tfr. Northtown	
1116	L9		St. Paul Wtg. Brd. Shop	x		1578	W	Stored	x	Staples	
# 1119	L9		Wtg. St. Paul Shop	x		C1579	W		x	Tfr.	
1121	L9		St. Paul		x	C1608	W		x	Tfr.	
1133	L9		Minneapolis Wtg. Brd. Shop	x		C1627	W		x		
1160	L10		Minneapolis		x	C1631	W	Staples	Stored		x
1161	L10		Minneapolis		x	1640	W		x	Tfr.	
1162	L10		Stored St. Paul		x	1646	W		x		
1163	L10		Minneapolis		x	1658	W	Staples			x
1164	L10		St. Paul		x	1673	W1	Wtg.	x	St. Paul Shop	
1167	L10		Minneapolis		x	1680	W1	Staples			x
1168	L10		Minneapolis		x	CH%1701	W3		x		
C 1170	G1		St. Paul		x	*C%1711	W3	Wtg. Brd.	x	Shop	
C 1171	G1		Minneapolis		x	C%1712	W3	Wtg. Brd.	x	Shop	
C 1172	G1		Minneapolis		x	C%1714	W3		x		
C 1173	G1		Minneapolis		x	C%1718	W3		x		
C 1174	G2		Shop x Tfr. Brainerd		x	C%1719	W3		x		
1175	G2		x Tfr.		x	C%1731	W3	Wtg. Brd.	x	Shop	
C 1176	G2		Minneapolis		x	*C%1733	W3		x		
C 1177	G2		Minneapolis		x	C%1735	W3	St. Paul	x	Shop	
C 1178	G2		Stored Minneapolis		x	C%1739	W3		x		
C 1179	G2		Minneapolis		x	C%1742	W3	Stored	x	Northtown	
C 1180	G2		Stored St. Paul		x	C%1767	W3	Stored	x	Staples	
C 1181	G2		Staples		x	*C%1768	W3		x		
C 1184	G2		Staples		x	C%1770	W3		x		
C 1503	W		Staples		x	C%1787	W3	Brd. Shop	x		
C 1504	W		St. Paul		x	C%1788	W3		x		
C 1509	W		Brainerd x Wtg. Disp.		x	CH%1791	W3		x		
1511	W		Northtown x Tfr.		x	C%1792	W3	Stored	x	Northtown	
1514	W		x Tfr.		x	*HC%1793	W3		x		
C 1515	W		x Tfr.		x	*C%1794	W3		x		
C 1517	W		St. Paul		x	C%1795	W3		x		
1524	W		x Tfr.		x	CH%1797	W3		x		
1526	W		Brainerd x Tfr. Wtg. Disp.		x	S%1799	W3	Stored	x	Northtown	
1528	W		Brainerd x Tfr. Wtg. Disp.		x	2081	Q	x			
						C2083	Q		x		
						C2085	Q		x		
						2087	Q	x	Wtg. St. Paul	Shop	

SAINT PAUL DIVISION (Cont.,)

Eng. No.	Class	Pass.	Frt.	Work	Switch	Eng. No.	Class	Pass.	Frt.	Work	Switch
2089	Q	x	Wtg.	St. Paul	Shop	#2430	T		x		
2093	Q					#2434	T		x		
2097	Q					#2435	T		x		
2150	Q3	x				#2450	T1	St. Paul			x
2153	Q3	x				2453	T1	St. Paul			x
C 2155	Q3		x			#2456	T1	St. Paul			x
2156	Q3	x				#2457	T1	Minneapolis			x
C 2157	Q3	x				2458	T1	Stored	x	Northtown	
C 2162	Q3	x				#2461	T1	Minneapolis			x
C 2163	Q3	x	Shop	St. Paul		C#2465	T1		x		
2164	Q3	x				#2462	T1	Stored		Northtown	x
C 2169	Q3	x				HC#2603	A	x	Booster	S. Paul Shop	
C 2189	Q4	x				HC#2605	A	x	Booster	Livn. Shop	
C 2218	Q4	x				HC#2650	A3	x			
C 2223	Q4	x				HC#2651	A3	x			
C#2252	Q6	x	Booster			HC#2652	A3	x			
2253	Q6	x	Booster	St. Paul	Shop	HC#2653	A3	x			
C#2254	Q6	x	Booster	St. Paul	Shop	HC#2664	A3	x			
2255	Q6	x	Booster			HC#2665	A3	x			
2256	Q6	x	Booster			HC#2666	A3	x			
C#2257	Q6	x	Booster								
2313	T		x	Northtown							
# 2315	T		x								
2335	T		Northtown		x						
2348	T		x	Brainerd							
# 2360	T		x								
2384	T	JY RH.	x	Staples							
# 2385	T		x								
# 2404	T		x								
2405	T		Brainrdx	Wtg. Disp.							
# 2407	T		x								
# 2413	T		x								
# 2416	T		x								
# 2422	T		x								

Assigned.....154
 Leased.....-
 On Division.....154
 # Superheaters, note also sheet
 "Locomotives with Extra
 Equipment".....139
 H Feedwater Heaters.....13
 Boosters.....8
 % Stokers.....39
 * Thermic Syphons.....5
 / Stored not serviceable or
 Wtg. Disp. ~~xxx~~.....14
 Spark Arresters:
 C Cyclone.....81
 Master Mechanic.....73

NORTHERN PACIFIC RAILWAY COMPANY
OFFICE OF ASSISTANT TO VICE PRESIDENT

JUNE 1st 1938
FARGO DIVISION

DISTRIBUTION OF POWER

Eng. Eng.

No. Class Pass. Frt. Work Switch No. Class Pass. Frt. Work Switch

No.	Class	Pass.	Frt.	Work	Switch	No.	Class	Pass.	Frt.	Work	Switch
C117	Y1		Jamestown	Stored	x	CH/1743	W3				x
C118	Y1		Jamestown		x	C/1751	W3	Stored	x	Dilworth	
C119	Y1		Jamestown		x	C/1762	W3				x
C120	Y1		Jamestown		x	C/1772	W3				x
C121	P1	x	Jamestown			C/1789	W3				x
C122	P2	x	Stored	Mandan		C/1798	W3				x
#1122	L9		Fargo		x	C/1800	W3				x
#1134	L9		Fargo		x	M C/1803	W3	Stored	x	Mandan	RH
1165	L10		Fargo		x	C/1805	W3	Helper	West out	JY	
1166	L10		Fargo	Stored	x	M C/1806	W3	Stored	x	Mandan	
1169	L10		Fargo		x	C/1807	W3				x
C1513	W		Jamestown			C/1813	W3	Stored	x	Jamestown	
C1519	W		Stored	x	Jamestown	C/1822	W3	Helper	east of JY		
C1545	W		Wtg. Brdx	Shop		C/1834	W3				x
C1550	W		Wtg. Brdx	Shop		M C/1916	W2	Stored	x	Mandan	
C1571	W			x	Jamestown	C/1917	W2				x
C1573	W			x	Hlpr.	C/1918	W2				x
C1581	W		Stored	x	Dilworth	C2114	Q1	JY RH		x	Mxd.
C1593	W		Jamestown		x	C2116	Q1			x	Mxd.
C1585	W	x				C2117	Q1			x	Mxd.
C1597	W		Wtg. Brdx	Shop		C2124	Q1			x	Mxd.
C1606	W		Stored	x	Mandan	C2125	Q1			x	Mxd.
C1609	W			x		C2126	Q1			x	Mxd.
C1651	W			x	Hlpr.	C2129	Q1	Mdn RH		x	Mxd.
C1660	W1		Dilworth		x	C2136	Q1			x	Mxd.
C1661	W1		Stored	x	Jamestown	C2141	Q1	Dilw.		x	Mxd. Shop
C1664	W1		Stored	x	Jamestown	C2143	Q1	Brd.		x	Mxd. Shop
C1665	W1		Dilworth		x	C2145	Q1			x	Mxd.
C1666	W1		Dilworth		x	C2177	Q4			x	Mxd.
C1668	W1			x		C2178	Q4			x	Mxd.
C1669	W1			x		C2179	Q4			x	Mxd.
C1681	W1				x	C2183	Q4			x	
C1686	W1			x		C2191	Q4			x	
C1687	W1		Dilworth		x	C2220	Q4			x	Mxd.
C1688	W1		Stored	x	Jamestown	C2221	Q4			x	Mxd.
*C/1705	W3			x		SH/2253	Q5			x	
*C/1715	W3			x	Hlpr.	CH/2256	Q5			x	
C/1721	W3			x	Brd. Shop	CH/2257	Q5			x	
CH/1723	W3		Stored	x	Dilworth	CH/2258	Q5			x	
*C/1732	W3			x		CH/2259	Q5			x	
C/1737	W3			x	Hlpr.	2307	T			x	Dilworth
C/1738	W3			x		2312	T			x	
C/1743	W3		Brd.	x	Shop	2316	T			x	Dilworth

FARGO DIVISION (Cont.,)

Eng. No.	Class	Pass.	Frt.	Work	Switch
2345	T		Stored	x Jamestown	
2368	T			x Mxd.	
C# 2454	T1			Valley City	x
C# 2455	T1			Bismarck	x
C# 2460	T1			x Shop Dilworth	
C# 2461	T1			Valley City	x
HC 2657	A2				x
HC 2658	A2				x
HC 2658	A2				x
HC 2657	A2				x
HC 2658	A2				x
HC 2659	A2				x
HC 2667	A3				X
HC 2665					

Assigned.....	98
Leased.....	-
On Division.....	98
# Superheaters, note also sheet	
"Locomotives with Extra	
Equipment.".....	93
H Feedwater Heaters.....	13
* Thermic Syphons.....	4
/ Stokers.....	49
/ Stored not serviceable or	
Wtg. Disp.	4
Spark Arresters:	
C Cyclone.....	88
B Baffle Plate.....	-
Master Mechanic.....	10

NORTHERN PACIFIC RAILWAY COMPANY
OFFICE OF ASSISTANT TO VICE PRESIDENT

JUNE 1st 1938

DISTRIBUTION OF POWER

YELLOWSTONE DIVISION

Eng.					Eng.					
No.	Class	Pass.	Frnt.	Work Switch	No.	Class	Pass.	Frnt.	Work Switch	
C/1730	Y1		Billings	x	CH/1736	W3	Wtg.	x	Glendive Shop	
C/1731	Y1		Glendive	x	C/1741	W3	Stored	x	Laurel	
C/1737	Y1		Billings	x	HC/1745	W3		x		
C/1739	Y		Mandan	Stored	C/1746	W3		x		
C/1734	Y		Mandan	x	C/1750	W3	Wtg.	x	Livn. Shop	
C/1738	Y		Stored	Billings	x	CH/1752	W3	Stored	x	Laurel
C/1739	Y		Stored	Billings	x	CH/1753	W3	Stored	x	Laurel
C/1736	P		Wtg.	x	Laurel Shop	C/1755	W3	Stored	x	Laurel
C/1735	C2		x	Glendive	C/1756	W3	GI Shop	x		
C/1731	L6		Glendive	x	C/1757	W3	Stored	x	Laurel	
C/1061	L9		Billings	x	CH/1768	W3		x		
C/1077	L9		Billings	Stored	x	C/1779	W3		x	
C/1115	L9		Billings	x	C/1901	W2		x		
C/1125	G2		Laurel	Livn. Shop	x	C/1902	W2		x	
C/1126	G2		Laurel	x	C/1903	W2		x		
C/1127	G2		Laurel	x	C/1904	W2	Shop	x	Mandan	
C/1100	G2		Laurel	x	C/1905	W2		x		
C/1101	G2		Laurel	x	C/1906	W2		x		
C/1102	G2		Laurel	x	CH/1908	W2		x		
C/1103	G2		Laurel	x	C/1910	W2		x		
C/1530	W		x		C/1911	W2	Wtg.	x	Glendive Shop	
C/1531	W		x	Tfr.	C/1912	W2		x		
C/1530	W		x	Tfr.	C/1913	W2	Stored	x	Mandan	
C/1532	W		Mandan	x	Wtg. Disp.	CH/1914	W2		x	
C/1534	W		Mandan	x	Wtg. Disp.	CH/1915	W2		x	
*C/1780	W3		Wtg.	x	Shop	CH/1919	W2	Stored	x	Glendive
C/1756	W3		x		C/2132	Q3		x		
C/1708	W3		Shop	x	Laurel	C/2134	Q3		x	
C/1709	W3		x		C/2130	Q4		x		
C/1710	W3		Stored	x	Laurel	C/2132	Q4		x	
*C/1713	W3		Stored	x	Laurel	CH/2229	Q5		x	
CH/1713	W3		x		CH/2230	Q5		x		
C/1714	W3		x		CH/2231	Q5		x		
C/1720	W3		Stored	x	Glendive	CH/2234	Q5	x	Livn. Shop	
CH/2122	W3		x		CH/2248	Q5		x		
*CH/1724	W3		x		2528	T		x	Glendive	
C/1723	W3		Stored	x	Glendive	2535	T	Wtg. Dips	x	Glendive
C/1725	W3		x		2510	T		x	Glendive	
C/1730	W3		x		2411	T		x	Glendive	
C/1732	W3		x		2425	T		x	Mxd.	

YELLOWSTONE DIVISION (Cont.,)

Eng. No.	Class	Pass.	Frnt.	Work	Switch
2437	T		Mandan		x
2500	W4		Mandan		x
C 2501	W4		Mandan	Stored	x
2502	W4		Glendive		x
2503	W4		Glendive		x
2504	W4		Mandan		x
2505	W4		Mandan		x
H 5000	Z5			x Booster	
H 5001	Z5			x Booster	Stored Mandan
H 5002	Z5			x Booster	
*H 5003	Z5	at shop		x Booster	8-6-38
H 5004	Z5			x Booster	Wtg. Livn. Shop
H 5005	Z5			x Booster	
H 5006	Z5			x Booster	
*CH 5007	Z5			x Booster	Glendive Shop
*HC 5008	Z5			x Booster	Livn. Shop
*H 5009	Z5			x Booster	
H 5010	Z5			x Booster	Livn. Shop
*H 5011	Z5			x Booster	

~~No. got~~
 30
 1708
 1738
 1732
 1736
 1756
 1779
 1901
 1905
 1906
 1910
~~1914~~ 8-6-38
 2501
 5003
 5007

Assigned.....	99
Leased.....	-
On Division.....	99
# Superheaters, note also sheet	
"Locomotives with Extra	
Equipment".....	90
H Feedwater Heaters.....	29
Boosters.....	12
% Stokers.....	61
* Thermic Syphons.....	16
Stored not serviceable or	
Wtg. Disp.....	9
Spark Arresters:	
C Cyclone.....	70
B Baffle Plate.....	-
Master Mechanic.....	29

NORTHERN PACIFIC RAILWAY COMPANY
OFFICE OF ASSISTANT TO VICE PRESIDENT

JUNE 1st 1938.

DISTRIBUTION OF POWER

ROCKY MOUNTAIN DIVISION

Eng.					Eng.				
No.	Class	Pass.	Frnt.	Work Switch	No.	Class	Pass.	Frnt.	Work Switch
23	Y1		Butte	x	C1800	W	Stored	x	Hlpr. Livn.
25	Y1		Helena	x	C1800	W		x	Livngston
24	Y1		Wallace	x	C1761	W3		x	Hlpr.
C 25	Y1		Missoula	x	CH1761	W3			x
26	Y1		Missoula	x	C1784	W3	x		Hlpr.
20	Y1		Butte	x	C1800	W3	x		
31	Y		Helena	x	C1800	W3	x		Hlpr.
52	Y		Missoula	Stored	C1810	W3	Wtg.	x	Livn. Shop
25	Y		Butte	x	C1811	W3			x
25	Y		Helena	x	C1814	W3			x
50	Y		Missoula	x	C1815	W3	x		Hlpr.
41	Y		Missoula	Shop	CH1816	W3			x
42	Y		Helena	x	C1817	W3			x
1005	L9		Bozeman	x	C1818	W3			x
1109	L9		Bozeman	x	C1820	W3	Wtg. Livn. Shop		x
C 1100	G2		Livingston	R.H.	C1831	W3	Stored	x	Missoula
C 1100	G2		Livingston		CH1831	W3			x
1210	Y3		Butte	x	C1830	W5			x
C 1356	S4			x	C1840	W5			x
C 1379	S4			x	C1841	W5			x
C 1382	S4		x	Stored Missoula	*CH1842	W5			x
C 1387	S4		x		CH1845	W5			x
C 1389	S4			x	CH1846	W5			x
C 1518	W		Stored Missoula	x	CH1847	W5			x
C 1522	W		x		CH1849	W5			x
C 1525	W		x	Stored Butte	*C1856	W5			x
C 1527	W		x	Stored Livingston	C2119	Q1	x		Stored Helena
1528	W		x	OB	C2120	Q1	x		Stored Livingston
C/1533	W		x	Stored Missoula	C2122	Q1	x		Wtg. Livn. Shop
C/1536	W		x	Hlpr. Store d Missoula	C2127	Q1			x
C/1539	W			x	C2128	Q1	Stored	x	Livingston
C/1562	W			x	C2130	Q1	x		Stored Livingston
C 1553	W		Stored	x	C2131	Q1	x		Stored Livingston
C 1587	W		x	Hlpr. Stored Missoula	C2132	Q1			x
C/1594	W		x	Hlpr.	C2201	Q4	Shop	x	Missoula
C/1595	W			x	C2203	Q4	x		Stored Butte
C/1611	W		x	Hlpr.	C2212	Q4	x		Stored Missoula
C/1624	W		Wtg.	x	C2213	Q4	x		Stored Missoula
1634	W		x	Stored Livingston	C2215	Q4	x		Stored Missoula
C 1635	W		Paradise	Wtg. Livn. Shop	C2222	Q4	x		Stored Helena
1636	W		x	Livn. Wtg. Disp.					
C 1638	W		x	Hlpr.					

Haren + got

24
28
32
42

1356
1379
1382
1387
1518
1533

1539
1562
1814
1831
1840
1844

1845
1846
1856
~~1860~~
2119
2122
2130

2201
2213
2432
2606
2610
4003
4004
4021

ROCKY MOUNTAIN DIVISION

ROCKY MOUNTAIN DIVISION (Cont.,)

Eng. No.	Class	Pass.	Frt.	Work	Switch	Eng. No.	Class	Pass.	Frt.	Work	Switch
CH/2230	Q5	x				4020	Z3		x		
CH/2232	Q5	x				4021	Z3		x		
CH/2235	Q5	x				4022	Z3	Shop	x	Hlpr.	Helena
CH/2258	Q5	x				4023	Z3		x	Hlpr.	
CH/2239	Q5	x				4025	Z3		x		
CH/2240	Q5	x				C/4500	Z4		x	Hlpr.	
CH/2241	Q5	x				C/4501	Z4		x	Hlpr.	
CH/2275	Q5	x				C/4502	Z4		x	Hlpr.	
CH/2246	Q6	x				C/4503	Z4		x	Hlpr.	
2285	Q6	x			OB	*HC/5100	Z6		x		
2304	T		x		/Livingston	*HC/5101	Z6		x		
2432	T		x		/Missoula	*HC/5102	Z6		x		
HC/2601	A	x			Booster	*HC/5103	Z6		x		
HC/2602	A	x			Booster	*HC/5104	Z6		x		
HC/2606	A	x			Booster	*HC/5105	Z6		x		
HC/2607	A	x			Booster	*HC/5106	Z6		x		
HC/2610	A	x			Booster	*HC/5107	Z6		x		
HC/2611	A	x			Booster	*HC/5108	Z6		x		
HC/2650	A2	x				*HC/5109	Z6		x		
HC/2651	A2	x				*HC/5110	Z6		x		
HC/2652	A2	x			Shop Missoula	*HC/5111	Z6		x		
HC/2653	A2	x				*HC/5112	Z6		x		
C 3001	Z				/Livingston						
3005	Z				/Missoula						
C 3014	Z				/Missoula						
3100	Z1				Storedx Wallace						
3102	Z1				x						
4000	Z2				Wtg. x Hlpr. Livn. Shop						
4001	Z2				Storedx Hlpr. Livn.						
4002	Z2				x Hlpr.						
4003	Z2				x Hlpr.						
C/ 4004	Z2				x Hlpr.						

Assigned.....136
 Leased.....-
 On Division....1111.....136
 # Superheaters, note also sheet
 "Locomotives with Extra
 Equipment.".....128
 H Feedwater Heaters.....40
 % Stokers.....77
 Boosters.....15
 * Thermic Syphons.....21
 / Stored not serviceable or
 Wtg. Disp.7
 OB Oil Burners.....2
 Spark Arresters:
 C Cyclone.....103
 Master Mechanic.....31

NORTHERN PACIFIC RAILWAY COMPANY
OFFICE OF ASSISTANT TO VICE PRESIDENT

JUNE 1st 1938.

IDAHO DIVISION

DISTRIBUTION OF POWER

Eng.						Eng.					
No.	Class	Pass.	Frnt.	Work	Switch	No.	Class	Pass.	Frnt.	Work	Switch
C 207	P1	x									
C 244	P2	Leased	C.P.RR			C1523	W			x	
900	L6	/Pasco			x	C1537	W		x	/So.Tacoma	
918	L6	/Pasco			x	C1547	W		x		
1049	L9	Leased	C.P.RR			C1563	W		x		
1069	L9	Yardley			x	C1567	W		x		
1101	L9	Yardley			x	C1575	W	Stored	x	Pasco	
1126	L9	Stored	Parkwater		x	C1591	W	Wtg.	x	So.Tacoma Shop	
1127	L9	Yardley			x	C1592	W		x		
1128	L9	Stored	Parkwater		x	C1596	W		x	/Parkwater	
1201	Y3	Yardley			x	C1600	W		x	/Pasco	
1202	Y3	Pasco			x	C1604	W		x	/Parkwater	
1203	Y3	Stored	So.Tacomax			C1613	W		x		
1204	Y3	Stored	Parkwater		x	C1616	W		x		
1206	Y3	Yardley			x	1618	W	OB	Leased	C.P.RR	
1208	Y2	So.Tac.Shop			x	C1620	W	/So.Tac.	x	Wtg.Dispn.	
1252	Y2	Yardley			x	C1622	W	/So.Tac.	x		
1254	Y2	Parkwater	Stored		x	C1623	W		x		
1264	Y2	Pasco			x	1630	W	OB	Leased	C.P.RR	
1266	Y2	Stored	Parkwater		x	C1637	W		x	/Parkwater	
1267	Y2	Pasco			x	C1639	W		x		
1269	Y2	Pasco			x	C1652	W	Wtg.So.	x	Tac.Sho	
1275	Y2	Parkwater	Stored		x	C1653	W		x		
1276	Y2	Pasco			x	C1654	W	/So.Tac.	x		
C 1351	S4			x		C1656	W		x		
C 1352	S4	Leased	C.P.RR			C1662	W1	So.Tac.	x	Shop	
C 1353	S4			x		C1663	W1	So.Tac.	x	Shop Wtg.	
C 1354	S4			x		C1667	W1	Wtg.So.	x	Tac.Shop	
C 1355	S4			x		C1684	W1		x		
C 1358	S4			x		C1748	W3	Shop	x	Pasco	
C 1359	S4			x		C1754	W3	Stored	x	Pasco	
C 1360	S4			x		*C1759	W3	So.Tac.	x	Shop	
C 1362	S4	Stored	x	Pasco		*C1763	W3	Stored	x	Pasco	
C 1365	S4			x		*CH1782	W3		x		
C 1366	S4			x		C1812	W3	Stored	x	Pasco	
C 1367	S4			x		CH1820	W3		x		
C 1371	S4	Stored	x	Pasco		CH1824	W3		x		
C 1372	S4			x		*C1825	W3	Stored	x	Pasco	
C 1374	S4			x		C1826	W3	Shop	x	Pasco	
C 1375	S4			x		CH1829	W3		x		
C 1376	S4	Wtg.	x	Parkw.Shop		CH1830	W3		x		
C 1377	S4			x		CH1835	W5	So.Tac.	x	Shop Booster	
C 1378	S4			x							
C 1380	S4	Leased	C.P.RR								
C 1383	S4			x							
C 1386	S4	Stored	x	Pasco							
C 1388	S4			x							
C 1506	W			x							
C 1516	W	Stored	x	Pasco							
C 1521	W			x							

IDAHO DIVISION (Cont.,)

Eng.					Eng.				
No.	Class	Pass.	Frnt.	Work Switch	No.	Class	Pass.	Frnt.	Work Switch
C% 1836	W5	Stored	x	Booster Parkwater					
C% 1837	W5		x	Booster	C% 2192	04	x	Shop	Parkwater
*C% 1838	W5	So. Tac.	x	Shop Booster	C% 2195	04	x		
C% 1842	W5		x	Booster	C 2195	04	x	Stored	Parkwater
C% 1843	W5	Stored	x	Booster Pkwtr.	C 2203	04	x	Stored	Pasco
CH% 1848	W5	Shop	x	Booster Pkwtr.	C 2204	04	x		
CH% 1850	W5		x	Booster	C 2206	04	x	Stored	Parkwater
*CH% 1851	W5	Stored	x	Booster Pkwtr.	C 2207	04	x		
CH% 1852	W5		x	Booster	C 2208	04	x	Stored	Pasco
C% 1853	W5		x	Booster	C 2210	04			
CH% 1854	W5	Shop	x	Booster Pkwtr.	C 2211	04	x	Stored	Pasco
C% 1855	W5		x	Booster	C% 2217	04	x	So. Tac.	Shop
*C% 1857	W5	Shop	x	Booster Pkwtr.	2311	T		x	/Parkwater
*C% 1858	W5	Wtg.	x	So. Tac. Shop Booster	C 2343	T		x	/Parkwater
					C 2375	T		x	/Parkwater
*C% 1859	W5	Shop	x	So. Tac. Booster	C 2408	T		x	/Parkwater
C 2034	Q		x		C 2423	T		x	/Parkwater
C 2036	Q		x	/So. Tacoma	C 2423	T		x	/Pasco
C 2101	Q1		x	/So. Tacoma	C 2433	T		x	/Tacoma
C 2133	Q1		x	Wtg. Shop Parkwater	2440	T	See	x	/Pasco
C 2139	Q1		x		C 2449	T	Below	x	/Pasco
C 5112	Q1		x		*CH% 5113	Z6		x	
C 2153	Q3		x		*CH% 5114	Z6		x	
C 2159	Q3		x		*CH% 5115	Z6		x	
C 2160	Q3		x		*CH% 5116	Z6		x	
C 2170	Q3		x		*CH% 5117	Z6		x	
C 2180	Q4		x	Stored Parkwater	*CH% 5118	Z6		x	
					*CH% 5119	Z6		x	
					*CH% 5120	Z6		x	
					C 2443	T		x	/Parkwater

Assigned.....146
 Leased..... 6
 On Division.....140
 # Superheaters, note also sheet
 "Loc motives with Extra
 Equipment.".....128
 H Feedwater Heaters.....19
 * Thermic Syphons.....17
 / Stored not serviceable or
 Wtg. Disp.23
 % Stokers.....48
 OB Oil Burners.....2
 Boosters.....16
 Spark Arrestors:
 C Cyclone.....120
 Master Mechanic.....24

NORTHERN PACIFIC RAILWAY COMPANY
OFFICE OF ASSISTANT TO VICE PRESIDENT

JUNE 1st 1938.
TACOMA DIVISION

DISTRIBUTION OF POWER

Eng.						Eng.					
No.	Class	Pass.	Frt.	Work	Switch	No.	Class	Pass.	Frt.	Work	Switch
37	Y	Auburn	Wtg.	So.	Tac. Shop	1103	L9	Everett			x
											x
40	Y	Yakima				1104	L9	Tacoma			x
43	Y	Auburn				1106	L9	Tacoma			x
50	F1	Olympia				1108	L9	OB Seattle			x
53	F1	Hoquiam				1110	L9	Seattle			x
56	F1		x			1111	L9	Tacoma			x
57	F1	Olympia				1118	L9	Seattle			x
63	F1	Tacoma				#1123	L9	Seattle			x
68	F1	Hoquiam				#1125	L9	Everett			x
70	F1	Hoquiam				1129	L9	Seattle			x
76	F1	Chohalis				#1130	L9	Seattle			x
78	F1	Chohalis				1131	L9	OB Tacoma			x
80	F1	Tacomax				1132	L9	Leased King St. Station			
81	F1	Wtg. So. Tac. Shop				1200	Y3	Auburn			x
827	F1	x				1207	Y3	Auburn			x
849	P2	x	Tacoma	Staty. Plant		1208	Y3	Auburn			x
852	P	x				1211	Y3	Auburn			x
901	L6	Leased McCleary Tbr. Co.				1253	Y2		x		
912	L6	Tacoma				1256	Y2	Yakima			x
916	L6	Leased McCleary Tbr. Co.				1258	Y2	Yakima			x
917	L6	So. Tacoma				1259	Y2		x		
1041	L9	Tacoma				1262	Y2	Auburn			x
1043	L9	Seattle				1263	Y2	Everett			x
1050	L9	Seattle				1265	Y2	Auburn Wtg. So. Tac. Shop			x
1053	L9	OB So. Tac. Shop				1268	Y3	Yakima			x
# 1054	L9	OB Tacoma				1270	Y2	Yakima			x
1064	L9	Seattle				1271	Y2	Auburn			x
1070	L9	Seattle				1272	Y2	Auburn Wtg. So. Tac. Shop			x
1072	L9	Tacoma									
1074	L9	Seattle OB				1274	Y2		x		
1075	L9	Aberdeen				1278	Y2		x		
1076	L9	Seattle				1279	Y2		x		
1079	L9	Centralia				B1350	S4		x		
1080	L9	Everett				C1357	S4		x		
1081	L9	Wtg. So. Tac. Shop				B1361	S4		x		
# 1082	L9	OB Wtg. So. Tac. Shop				C1363	S4		x		
1083	L9	Seattle				B1364	S4		x		
1086	L9	Seattle				B1368	S4		x		
1089	L9	Centralia				B1369	S4	Wtg. So. Tac. Shop			
1091	L9	OB Tacoma				B1370	S4		x		
1092	L9	Tacoma				C1373	S4		x		
1095	L9	Seattle				C1381	S4		x		
1096	L9	Tacoma				C1384	S4	Seattle Shop			
# 1097	L9	Seattle				C1385	S4		x	Mxd.	
1098	L9	OB Seattle				1501	W	Wtg. So. Tac. Shop			x
1099	L9	Tacoma				C1507	W				x
						C1508	W				x
						C1510	W				x Hlpr.

T.L.COMA DIVISION (Cont.,)

Eng.	No.	Class	Pass.	Frt.	Work	Switch
	4017	Z3		x		
	4018	Z3		x	Hlpr.	
	4019	Z3		x		
	4024	Z3		x		

Assigned.....	197
Leased.....	4
On Division.....	193
# Superheaters, note also sheet "Locomotives with Extra Equipment".....	148
H Feedwater Heaters.....	11
% Stokers.....	40
* Thermic Syphons.....	1
Boosters.....	5
/ Stored not serviceable or Wtg. Disposition.....	10
OB Oil Burners.....	18
Spark Arresters:	
C Cyclone.....	74
B Baffle Plate.....	6
Master Mechanic.....	99