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**RingPower**PowerNet TD  
www.pwrst.com

10421 Fern Hill Drive Riverview, FL 33578

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**Engine Information**

Work Order # 0900972

Engine Serial # 6CL00564 Dyno Tech # 7740 Full Load Power 1751 - 1859 HP

Full Load Speed 1710 - 1730 RPM High Idle/Low Idle 1902 - 1913 RPM Torque @ TC RPM 6063 - 6976 LB/FT @ 1290 - 1310 RPM



Boost Pressure Min/Max 42 - 57 IN HG Fuel Pressure Min/Max 47 - 94 PSI Oil Pressure Min/Max 35 - 87 PSI

**Performance Spreadsheet**

Time	Speed (RPM)	CorNetHp (Hp)	Torque(ft-lbs)	Fuel Vol.Burn (gal/hr)	Boost P 7 (in Hg)	Fuel P 9 (PSI)	Oil P 5 (PSI)
07:54:39	74	0	38	7	0	14	1
07:58:43	83	0	45	0	0	13	2
07:59:03	95	0	43	-2	0	14	11
08:00:58	137	1	22	-28	0	9	33
08:01:49	50	0	84	4	0	2	2
08:01:57	123	1	28	-25	0	9	31
09:51:07	84	0	61	3	0	2	2
09:58:38	1923	43	114	22	1	68	90
09:58:40	1922	44	113	22	1	69	90
09:58:40	1923	43	113	22	1	69	90
10:06:19	1903	358	907	27	6	68	75
10:12:34	1330	1670	6069	82	34	54	59
10:15:14	1756	1832	4926	86	43	61	63
10:15:18	1756	1831	4930	87	43	61	63
10:16:11	542	10	81	17	1	34	34
11:26:03	89	0	52	0	0	5	2
11:27:22	787	14	83	2	0	49	58
11:28:47	1943	54	129	16	2	69	75
11:31:54	1897	701	1734	40	12	67	71
11:34:34	1724	1798	4999	77	40	58	64
11:34:36	1715	1803	5043	79	40	57	64

11:35:08	1677	1804	5160	87	41	57	62
11:35:50	1690	1807	5107	87	42	56	62
11:36:34	1701	1844	5072	86	42	57	62
11:37:49	1710	1849	5039	87	43	58	62
11:39:40	1629	1817	5304	85	42	59	60
11:42:13	1709	1820	5055	87	42	57	61
11:44:00	1688	1841	5105	85	43	57	60
11:44:12	1718	1839	5010	85	43	58	61
11:46:24	1757	1806	4880	85	43	60	61
11:47:51	1850	1412	3610	77	33	64	63
11:49:33	1915	326	788	33	8	68	66
11:50:02	1915	327	793	26	8	68	67
11:51:02	720	91	584	19	1	43	48
11:51:32	524	65	335	6	1	32	33

New Graph/Spreadsheet

 Power(Hp) Power Curve
  CorNetHp(Hp) Power Curve

AA		06CLO0564			
QUANTITY	ITEM	*N/R	DESCRIPTION	UNIT PRICE	EXTENSION

\* \* \* PROFORMA INVOICE \* \* \*

# INSPECT ENGINE

INSPECT ENG FOR DYNO RUN FOR THE CUSTOMER SO  
HE CAN SELL THE ENG

## CUSTOMER COMPLAINT:

INSPECT AND DYNO ENGINE

## CAUSE OF FAILURE:

CUSTOMER WANTED US TO CHECK ALL VALVE  
SETTINGS, FUEL SETTINGS, ALL INJECTOR SETTINGS AND  
ALL INJECTOR SYNCHRONIZATION. REMOVE FILTERS AND  
CUT OPEN TO SEE IF ANY METAL IN FILTERS. REMOVE  
CRANKSHAFT COVERS AND INSPECT BOTTOM END FOR ANY  
METAL. DID FIND FUEL RETURN HOUSING, WATER OUTLET  
ELBOW AND ALL FITTINGS TO FUEL RETURN WERE  
MISSING. FOUND BOTH LEFT SIDE FRONT AND REAR  
TURBO'S HAD BAD COLD SIDE FINS ( BENT AND HIT  
) . FOUND HARNESS CUT ALL UP, CUSTOMER DID NOT WANT  
ANYTHING DONE WITH HARNESS. AIR COMPRESSOR AND  
ALTERNATOR ALSO MISSING, CUSTOMER DID NOT WANT  
ANYTHING DONE WITH THESE PARTS.

## RESULTANT DAMAGE:

NEEDED TO ORDER ALL GASKET NEEDED TO REPLACE PARTS  
THAT WERE REMOVED. NEEDED TO ORDER ALL FILTERS,  
FUEL AND OIL. NEEDED TO ORDER ALL PARTS TO  
REPLACE TWO TURBO'S, CUSTOMER SUPPLIED TWO

AMOUNT

CONT'D

TURBO'S TO INSTALL ON ENGINE. NEEDED TO REPLACE  
GASKETS AND SEALS FOR WATER ELBOW AND FUEL  
HOUSING ( CUSTOMER SUPPLIED BOTH WATER INLET AND  
FUEL HOUSING WE HAD TO REPLACE ALL FITTINGS  
NEEDED ).

## REPAIR PROCESS COMMENTS:

AFTER CLEANING AND INSPECTING ENGINE WE REPLACED  
BOTH TURBO'S AND FUEL HOUSING SUPPLIED BY  
CUSTOMER. INSTALLED ALL NEW FUEL AND OIL FILTERS  
. NEEDED TO RESET ALL VALVE AND INJECTOR TIMING  
SETTINGS TO CAT SPEC. NEEDED TO RESET ALL  
INJECTOR SYNCHRONIZATION TO CAT SPEC. NEEDED TO  
RESET FUEL SETTINGS TO CUT TEST SPEC NUMBER  
2T5445. INSTALLED ENGINE ON DYNO FOUND TWO FUEL  
LEAKS, NEEDED TO REPLACE TWO CONNECTOR ELBOWS TO  
GET FUEL LINE TO SEAL. FILLED ENGINE WITH  
OIL, FOUND NO LEAKS WITH COLD OIL. FILLED ENGINE  
WITH WATER FOUND WATER LEAK AT AFTERCOOLER WATER  
HOUSING, REAR. REMOVED HOUSING AND RESEALED, FILL  
WATER AGAIN FOUND LEAK AT TURBO WATER SUPPLY LINE  
LEFT FRONT. FOUND HOLE WAS WORN IN PIPE, WAS ABLE  
TO BRAZE HOLE UP AND REUSE. STARTED ENGINE AND  
WARMED UP, DURING WARM UP FOUND OIL LEAK TURBO  
DRAIN LINE. SHUT ENGINE DOWN AND REPLACED  
GASKETS, RESTART ENGINE FOUND NO LEAKS. RAN ENGINE  
ONE AND HALF HOURS TOTAL, FOUND NO LEAKS AT THIS  
TIME. ENGINE DID MEET ALL CAT SPECS AT THIS TIME

DURING RUN, TEST SPEC NUMBER 2T5445. REPORT IS  
 ATTACHED TO SERVICE REPORT . REMOVED FROM DYNO AND  
 INSTALLED ALL PARTS REMOVED TO RUN. SENT ENGINE  
 TO PAINT SHOP, THEN SHIPPED TO CUSTOMER

4	1A-2029	CAPSCREW	S	.25	1.00
		00000			
2	1R-0755	FILTER A	S	53.13	106.26
		00000			
10	2M-4453	SEAL O-RING	S	.81	8.10
		00000			
5	2M-9780	SEAL O RING	S	.88	4.40
		00000			
8	2N-2765	BOLT	S	4.41	35.28
		00000			
8	2N-2766	LOCK NUT	S	3.96	31.68
		00000			
1	4B-0831	CAP SCREW	S	.60	.60
		00000			
2	4P-4460	GASKET	S	.84	1.68
		00000			
2	4W-1807	ELBOW	N	60.79	121.58
		00000			
2	5P-2645	ELBOW	S	7.43	14.86
		00000			
4	5P-9890	SEAL	S	6.73	26.92
		00000			
1	7E-6016	GASKET	S	2.19	2.19
		00000			

				AMOUNT	CONT'D
2	7M-7273	GASKET	S	6.29	12.58
		00000			
1	7M-9909	SEAL-O-RIN	S	7.44	7.44
		00000			
1	7N-4930	ELBOW	N	233.85	233.85
		00000			
1-	7N-4930	ELBOW	N	233.85	233.85-
		00000			
2	7N-7559	GASKET	S	.79	1.58
		00000			
8	7N-7628	GASKET	S	.64	5.12
		00000			
1	9M-1974	WASHER	S	.20	.20
		00000			
2	9M-4584	CONNECTOR	S	4.36	8.72
		00000			
1	9N-4053	SPRING	S	7.09	7.09
		00000			
1	114-5477	PLUNGER	S	17.76	17.76
		00000			
1	230-1072	GASKET	S	3.31	3.31
		00000			
16	272-0757	SEAL-PIP	S	19.69	315.04
		00000			
4	275-2604	FILTER A LUB	S	32.46	129.84
		00000			
1	SOS 1	SOS KIT SERVICE	S	11.00	11.00
		00000			

AMOUNT	CONT'D
AMOUNT CREDITED	

TOTAL PARTS                      SEG. 01                      874.23 \*

TOTAL LABOR                      SEG. 01                      8044.50 \*

52.00		DIESEL OFF ROAD	11111	312.00
1.00		ENG OIL	00000	875.44
1.00	1Z6218080157	468413	11111	30.92

TOTAL MISC CHGS                      SEG. 01                      1218.36 \*

SEGMENT 01 TOTAL                      10137.09 T

FABRICATE FRAME

FAB. ENGINE STAND

2	1D-4647	CAP SCREW	N	15.19	30.38
		00000			
8	2H-3744	BOLT	N	3.80	30.40
		00000			
2	2J-3507	NUT	S	2.04	4.08
		00000			
10	5P-8250	WASHER	S	1.99	19.90
		00000			

AMOUNT

CONT'D

TOTAL PARTS                      SEG. 02                      84.76 \*

TOTAL LABOR                      SEG. 02                      2578.80 \*

1.00	1Z6218080158	275923	11111	47.35
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TOTAL MISC CHGS                      SEG. 02                      47.35 \*

SEGMENT 02 TOTAL                      2710.91 T

ENVIRO/MISC                      300.00 T

AMOUNT                      13148.00

"TERMS NET 30 DAYS FROM DATE OF INVOICE"

\* \* \*

C A S H

\* \* \*

AMOUNT

13148.00

AMOUNT  
CREDITED

Ring Power Corporation  
P.O.Box 45022  
Jacksonville, FL 32202-5022

Reference Number: 6CL00564

Serial Number

☒ English☐ Metric

Retrieve Data

Retrieve Cross

Advanced Search

Enter Reference number and select Reference description above  
(or select Advanced Search on the right).Engine Test  
2T5445As Shipped  
6CL00564Physical Data  
6CL00564Reman Data  
6CLComponent Data  
6CL00564Spec Xr  
2T5445Test Spec  
2T5445**TEST SPEC [6CL00564]**For Help Desk Phone Numbers [Click here](#)

Reference Number: 2T5445

Effective Serial Number: 6CL00269

Model: 3516 DI TA SCAC

Make from Spec:

**Test Spec Data**

Description	Measure	Nominal	Celling	Floor
Corr Full Load Power	hp	1,805	1,859	1,751
Full Load Speed	RPM	1720	1730	1710
Governor Setting Speed	RPM	1908	1913	1902
High Idle Speed	RPM	1950	2010	1890
Low Idle Speed	RPM	741	751	731
FL Static Fuel Setting	in	0.368		
FT Static Fuel Setting	in	0.425		
Corrected Fuel Rate	GAL/HR	91.4	97.8	85.0
CSFC	LB/HP.H	0.358	0.371	0.334
Adjusted Boost	IN_HG	49.6	57.2	42.2
Torque Check Speed	RPM	1300	1310	1290
Corr Torq Rise at TC RPM	%	18.3		
Corr Torque at TC RPM	LB/FT	6,520	6,976	6,063
C Fuel Rate at TC RPM	GAL/HR	79.7	85.4	74.0
CSFC at TC RPM	LB/HP.H	0.350	0.367	0.330
ADJ Boost at TC RPM	IN_HG	38.6	44.4	32.8
Power Loss/Cyl	% C FL PWR			
Specific Blowby	CU FT/HP.H			
Temp Jacket Water Pump Inlet	F	192	197	186
Delta T Jacket Water (out-in)	F	7	16	-1
Inlet Manifold Temp	F			
Water Temp to Scac	F	132	138	127
Scac Water Flow	GAL/MIN			
Oil Pressure	PSI	61	87	51
Oil Pressure Low Idle	PSI	47	87	35
Fuel Pressure	PSI	70	94	47
Inlet Fuel Pressure	PSI		6	