

Invoice Date:
VIN #:
OEM Mfr:
OEM Model #:
Fleet/Trk #:

Customer #:
Ship To:

Contact:
Phone:

Warning: Allocation of Cores Not Complete

Job #:	1	Serial #:	RJ37986NT1821797	Miles/Hrs:	3335 r
		Model #:		In-Serv Date:	

Problem Descrip: Engine will not start.

Cause: Failed engine.

Work Performed: Technician verified Customer's concern of no start. Upon inspection of unit found metal flakes in oil on the dipstick. Removed oil filter and opened to inspect; found large amounts of metal debris inside filter. Advised Customer engine will need to be replaced. Customer approved repairs; replacement engine ordered. Once replacement engine arrived; removed failed engine from unit. Once out, swapped all necessary parts to new engine. Installed new engine into unit. Flushed out radiator due to substantial amount of dirt and debris; re-installed radiator and filled with appropriate amount of coolant. Had to replace fuel lift pump as it been converted to spin style fuel filter which we do not stock. After engine instillation was complete, started engine and let idle to operating temperature; checked for leaks and proper operation. Tested engine functions to test under load; no issues found.

Line #	Product / Description	Qty Ordered	Qty B/O	Qty Shipped	Qty U/M	Unit Price	Extended Amount
1	RRJ37986 1104C-44TA Serial #: RJ37986NT1821797	1.00	0.00	1.00	each		
2	XP1100 CORE CHARGE Cores Must Be Returned In Original Package To Receive Credit Core Must Be Returned by 06/13/20 For Complete Core Credit	1.00	0.00	1.00	each		
3	3684N503	2.00	0.00	2.00	EACH		

Line #	Product / Description	Qty Ordered	Qty B/O	Qty Shipped	Qty U/M	Unit Price	Extended Amount
4	JOINT 2485A124 PLUG	1.00	0.00	1.00	each		
5	3688C018 JOINT	1.00	0.00	1.00	EACH		
6	ULPK0041 PUMP	1.00	0.00	1.00	each		
7	MBL 98JP33 FLEET 15W-40 - BULK	8.00	0.00	8.00	qt		
8	COOLANT 50/50 PRE-MIX BY THE GALLON	4.00	0.00	4.00	each		
9	LPERKars PERK REG. LBR-SHP S.T.	41.00	0.00	41.00			

Sub Total: _____

Pay Total Balance on Last Page --- Sub Total : Job # 1

Sub Total:
Sales Tax:
Invoice Total:
Tendered:
THIS IS NOT A BILL: 23131.42
Finalized Invoice to Follow

*For ACH Payment: Routing #122000661 / Account #1453527700

This transaction is governed by and subject to seller's Terms and Conditions of Sale and Service (the "Terms and Conditions") of Pacific Power Group, LLC Company ("Seller") that are in effect as of the date of this invoice. The Terms and Conditions are available online at pacificpowergroup.com/terms, and they are incorporated in full by this reference and made a part of this transaction. Customer acknowledges that Customer has read the Terms and Conditions. By purchasing goods and/or services from Seller, Customer agrees to be bound by the Terms and Conditions that are set forth on Seller's website; Customer's payment for and acceptance of the products and/or services described in this invoice will confirm Customer's acceptance of the Terms and Conditions. Upon Customer's request, Seller will provide Customer with a hard copy of the Terms and Conditions.

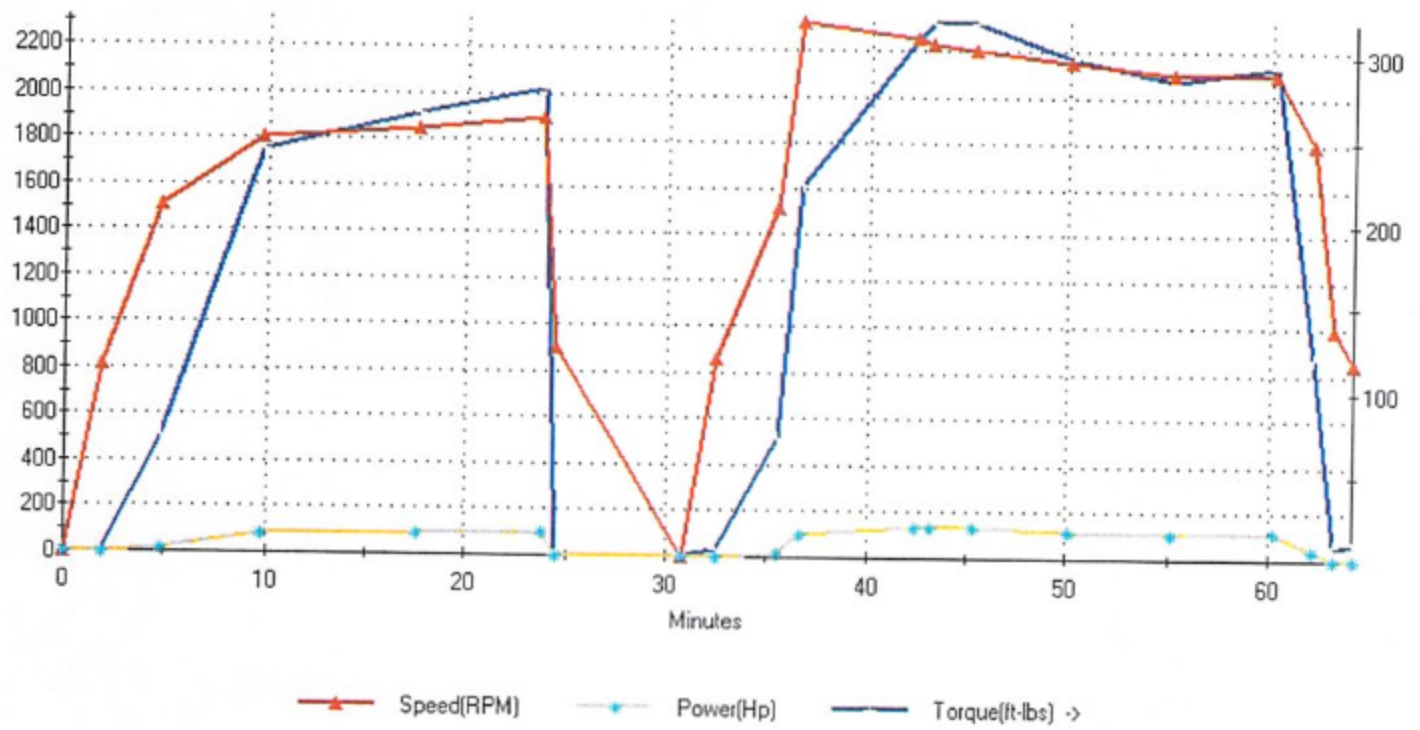
Test Information							
SRO		Model #	1104C-44TA	Serial #	RJ38367NT18	Rated RPM	2200
Rated H.P	130	Assembled by	K.	Dyno Technician	VNB	Date tested	3-20-19
Injection Pump SN	2644H042						

Peaks			
Peak Torque	320 ft-lbs	Peak Power	136 Hp
Torque at peak Speed	222 ft-lbs	Power at peak Speed	98 Hp

Performance SpreadSheet

Time	Speed(RP M)	Torque(ft- lbs)	Power(Hp)	1 Oil P(PSI)	1 Water T(°F)	2 Exh T(°F)	BlowBy Vol(CFH)	Throttle(%)	2 Boost P(PSI)	4 Room T(°F)
12:04:01	0	0	0	0	78	113	0.9	0	0	68
12:05:54	819	2	0	71	97	181	92.3	0	0	69
12:08:47	1508	71	20	73	140	333	118.1	41	3	70
12:13:47	1800	242	83	64	180	636	185.4	61	13	74
12:21:35	1848	263	93	59	181	674	141.2	62	14	78
12:27:47	1900	280	101	58	181	704	128.2	65	14	78
12:28:28	899	0	0	45	181	528	67.4	0	1	77
12:34:50	0	1	0	0	170	248	0.9	0	0	73
12:36:29	856	5	1	54	164	296	65.5	0	0	73
12:39:29	1513	72	21	62	177	351	93.2	47	2	73
12:40:37	2321	222	98	64	182	568	142.1	100	14	74
12:46:23	2256	311	134	66	182	629	164.2	100	15	73
12:47:12	2224	320	136	64	182	773	151.3	100	15	75
12:49:21	2202	320	134	61	182	858	113.5	100	15	77
12:54:08	2152	300	123	59	182	825	118.1	84	15	79
12:59:08	2102	286	115	58	182	778	109.8	81	15	80
13:04:12	2096	294	117	58	182	776	124.6	88	15	81
13:06:12	1801	121	42	59	179	493	81.2	66	6	78
13:07:12	993	9	2	51	176	402	49.8	19	1	77
13:08:13	849	8	1	47	175	349	46.1	0	0	76

Performance Graph



LIMITED WARRANTY

FOR

SCOPE AND DURATION OF WARRANTY

I manufactures diesel engines under the name Perkins Pacific (PPI), from here on referred to as ("Engine"). PPI warrants to each purchaser the Engine will be free from defects in materials and workmanship under normal use and service for a period of 12 months/unlimited hours from the documented date on which the Engine was purchased. This Warranty is limited to the repair of the engine or replacement of parts needed to correct any malfunction or defect in the Engine as provided by PPI. This does not include any accessories, modifications, or have been altered from the original intent.

WARRANTY PERIOD

Application: Industrial

Limitations: 12 Months

Hours: Unlimited

WARRANTY INSTRUCTION

PROCEDURE FOR WARRANTY SERVICE: To obtain warranty service, the purchaser shall, notify PPI immediately at 360-887-5900. Please have the engine serial number, date of purchase, date of failure and a brief description of failure. PPI authorizes warranty service at its sole discretion. The purchaser may(will) be directed to an authorized Perkins dealer for the repair.

SERVICE SUPPLIES: PPI will replace relative to the failure any service supplies, including coolant, oil, and filters.

TRAVEL TIME AND MILEAGE: PPI limits total road calls from dealer to purchaser travel time and mileage to \$750.00, the purchaser will be responsible for any amount over that.

THIS WARRANTY DOES NOT COVER:

- | | |
|---|---|
| A. Damage to or defects in the Engine caused by or resulting from modification by the purchaser. | E. Removal of engine unless authorized |
| B. Non-authorized repairs. | G. In no event shall PPI be liable for special, indirect, incidental, or consequential damages including, but not limited to, injuries to persons or damage to property, loss of profits or anticipated profits, or loss of product use |
| C. Damage to or defects in the Engine caused by or resulting from the purchaser's failure to perform normal maintenance | H. Any engine stickers not identifying Pacific Power Group as the manufacture |
| D. Towing or freight charges | |
| E. Poor storage practices or prolonged shelf-life over a two-year period causing damage to seals, hoses, water pumps, and electrical components | |

DISCLAIMER OF WARRANTIES AND LIMITATION OF REMEDY

The Warranty described previously is in lieu of any other warranty, expressed or implied, including but not limited to any warranty of merchantability or fitness for a purpose, which are disclaimed. Obtaining repairs and/or replacement parts is the purchaser's sole and exclusive remedy under this warranty and does not extend the warranty period stated previously. Under no circumstances shall PPI be liable to the purchaser for any incidental, consequential, or punitive damages arising out of or resulting from breach of this warranty. Any action by a purchaser for breach of this warranty must be commenced within one year after the cause of action accrues. Any such action must be commenced and tried in a state or federal court in Clark County, WA.