

GST# 853478378
CUSTOMER

Box 294, Unity SK. S0K 4L0
Ph. (306) 228-3800 Fax (306) 228-4440

DATE **PAYMODE** *PHONE #*ALT-PHONE#*
FEB 08/12 CHARGE (306) 823-4557

MAKE	**MODEL**	*YR*	**ODO/LIC**
IHC	9400I	06	0 *372HBP
SERIAL #	*ENGINE-SN#*	*ENG-MDL*	
2HSCNAPR46C190595	9096078		

P O # HRS CUST-UNIT# TANDEM

Service Advisor DB Invoice Date APL 18/12 CTRL# 1114

CASE 1

** COMPLAINT SERVICE INSTRUCTIONS **

- DIAGNOSE REPAIR ENGINE HARD STARTING & RUNNING ROUGH
- CHECK OUT HARD STARTING IN UNIT. FOUND ELECTRIC LIFT PUMP LEAKING
- R & R LIFT PUMP WITH NEW & FOUND WHILE REPLACING LIFT PUMP THE PRIMARY FUEL FILTER WAS LEAKING FUEL AROUND BOTTOM OF FILTER ADVISE & SHOW CUSTOMER
- REPLACE FUEL FILTER WITH NEW
- START & RUN UNIT IT IS STARTING PROPER NOW, BUT NOTICED ENGINE HAS A KNOCK
- R & R VALVE COVER PERFORM OVERHEAD VALVE SET
- RUN UNIT FOUND NO CHANGE
- SCAN UNIT WITH LAPTOP & DOCUMENT ALL CODES
- PERFORM CYLINDER CUT OUT. FOUND PROBLEM TO BE WITH #1 INJ OR PISTON
- R & R FRONT ROCKER ARMS REMOVE #1 INJECTOR
- CHECK CYLINDER WITH BORE SCOPE & FOUND THAT #1 CYLINDER WAS SCORED
- ADVISED CUSTOMER OF PROBLEM & HAVE CUSTOMER COME IN TO DISCUSS & CHECK OUT ENGINE FAILURE
- *CUST ADVISED TO REPAIR**
- DRAIN ANTIFREEZE & OIL FROM ENGINE.
- DRAIN A/C SYSTEM AS REQ
- UNHOOK ALL LINES HOSES & WIRES TO RADIATOR.
- UNBOLT & REMOVE RADIATOR FROM UNIT
- UNHOOK ALL LINES WIRES & HOSES TO ENGINE HEAD
- R & R AIR CLEANER CANISTER
- R & R REST OF ROCKER ARMS & INJECTORS.
- R & R FRONT COVER & FAN HUB

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IHC	9400I	06	0 *272HBP
SERIAL-#	*ENGINE-SN#*	*ENG-MDL*	
2HSCNAPR46C190595	9096078		

P O # HRS CUST-UNIT# TANDEM

Service Advisor DB

Invoice Date APL 18/12 CTRL# 1114

- REMOVE CAM & INJECTOR GEARS
- REMOVE BOTH CANS FROM HEAD UNBOLT & REMOVE HEAD FROM ENGINE STRIP & SEND OUT TO HAVE CHECKED.(FOUND HEAD CRACKED
- CHECK OVER ENGINE ONLY #1 IS SCORED
- R & R OIL PAN, OIL PUMP & TUBES
- R & R ALL SLEEVES & PISTONS CLEAN ENGINE BLOCK.
- CHECK COUNTER BORES THEY ARE O K
- R & R ALL MAIN BEARINGS & REPLACE WITH NEW
- INSTALL ALL NEW SLEEVES & CHECK SLEEVE PROTRUSION, IS O K.
- ASSEMBLE & INSTALL PISTON ASSY S
- INSTALL & CHECK OIL PUMP BACKLASH.
- INSTALL BLOCK STIFFENER & OIL TUBES, CLEAN & INSTALL OIL PAN
- R & R WATER PUMP REPLACE WITH NEW
- INSTALL ENGINE HEAD WITH NEW GASKET & TORQUE TO SPEC.
- INSTALL & TIME BOTH CAMSHAFTS
- SUPPLY INSTALL & TORQUE DOWN NEW REMAN INJECTORS AS REQ
- INSTALL ALL ROCKER ARMS & PERFORM OVERHEAD SET
- INSTALL FRONT COVER & FAN HUB.
- INSTALL VALVE COVER
- INSTALL EXHAUST MANIFOLD & EGR VALVE
- HOOK-UP ALL WIRING HOSES & LINES TO ENGINE
- INSTALL NEW THERMOSTAT
- INSTALL HOUSING ON ENGINE
- CUSTOMER DECIDED THAT HE WANTED A HEAVIER RADIATOR
- REMOVE RAD FROM CASE & SEND TO RAD SHOP.
- GET RAD BACK & ASSEMBLE BACK INTO CASE.
- INSTALL RAD BACK IN UNIT, HOOK UP ALL LINES WIRES & HOSES TO RAD ASSY
- INSTALL NEW OIL & ANTIFREEZE BACK INTO UNIT

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CUSTOMER:

DATE **PAYMODE** *PHONE-*ALT-PHONE#*

FEB 08/12 CHARGE (306) 823-4557

MAKE **MODEL** *YR* **ODO/LIC**

IHC 9400I 06 0 *872HBP

SERIAL-# *ENGINE SN#* *ENG-MDL*

2HSCNAPR46C190595 9096078

P.O.#

HRS

CUST-UNIT# TANDEM

Service Advisor.

DB

Invoice Date

APL 18/12

CTRL# 1114

- TRY TO START UNIT INSTALL CHARGER. CHARGE & STILL HAVE TO BOOST UNIT TO RUN
- EVAC CHARGE A/C SYSTEM & INSTALL A/C SYSTEM LEAK SEALANT
- INSTALL AIR CLEANER & TUBES PAINT ENGINE
- TEST DRIVE CHECK FOR LEAKS NONE WERE FOUND
- RE-CHECK OUT CHARGING SYSTEM FOUND 2-BATTERIES FAIL & 2-BATTERIES JUST PASS ADVISE CUST & ADVISED TO REPLACE (4)
- R & R & REPLACE ALL (4) BATTERIES WITH NEW & CLEAN ALL CONN
- RE-START UNIT & CHECK ALL REPAIRS. ALL CHECK. O K

PARTS	Line	Part-Number	Description	Qty	List	Net	Extension
		UTA FF2203	FUEL FILTER.	1	19 95	17 54	17 54
			ENVIRONMENT				1 00
		CUM 4935092	FUEL PUMP	1	640 48	426 57	426 57
		CUM 4954474	GASKET FPUMP	1	27 65	18 70	18 70
		FRT	FREIGHT				18 00
		CUM 4088665PX	INJECTOR ISX	1	916 52	865 48	865 48
			CORE CHARGE				986 25
		CUM 4088665PX	INJECTOR ISX	0	916 52	00	00
			CORE CHARGE				986 25
		FRT	FREIGHT				21 00
			FREIGHT FOR SPECIAL ORDER INJECTOR				
		UTA 75089	BRAKLEEN	12	4 35	4 35	52 20
		UTA 81950	LUBE ENGINE	1	9 64	9 49	9 49
		CUM 4088665PX	INJECTOR ISX	5	916 52	865 48	4 327 40
			CORE CHARGE				5 437 50
		CUM 4962732RX	CYL HEAD	1	4388 80	3800 00	3 800 00
			CORE CHARGE				1 400 00
		CUM 2881886	OVERHAUL KIT	1	6207 30	5625 00	5 625 00
		CUM 4089158RX	WATERPUMP	1	447 40	445 00	445 00
			CORE CHARGE				141 50

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FEB 08/12		CHARGE		(306) 823 4557	
MAKE		**MODEL**		**YR**	
IHC		94001		06	
ODO/LIC		**ENGINE SN#**		**ENG MDL**	
0		872HBP			
SERIAL #		**ENGINE SN#**		**ENG MDL**	
2HSCNAPR46C190595		9096078			

P O # HRS CUST-UNIT# TANDEM

Service Advisor DB Invoice Date APL 18/12 CTRL# 1114

CUM 4088665PX	INJECTOR ISX	0	916 52	00	00
	CORE CHARGE				5 437 50-
CUM 4962732RX	CYL HEAD	0	4388 80	00	00
	CORE CHARGE				1 400 00-
CUM 4089158RX	WATERPUMP	0	447 40	00	00
	CORE CHARGE				141 50-
FRT	FREIGHT				165 00
FREIGHT FOR SPECIAL ORDER ENGINE PARTS					
**ALL CORES WERE EX-CHANGED & ARE SUBJECT TO A CORE					
CHARGE BACK AFTER CORE EVALUATION**					
CUM 4955698	SCREW HEX	12	10 32	6 17	74 04
CUM 3679445	SPACER MOUNT	12	14 90	10 95	131 40
CUM 2882757	THERMOSTAT	1	50 30	41 88	41 88
UTA 3S9643	SEAL	1	29 63	22 52	22 52
UTA 210	BIO TECH PEN	1	13 50	13 50	13 50
UTA 75089	BRAKLEEN	12	4 35	4 35	52 20
CUM 4026507	GASKET V/C	1	172 07	172 07	172 07
CUM 4985492	NUT LOCK	4	13 42	7 87	31 48
UTA R51936	GROMMET FUEL	6	6 02	3 66	21 96
UTA 44454	BOLT M8X20M	1	97	97	97
UTA 43983	WASHER M8"	1	93	93	93
CUM 3683072	HOSE TURBO	1	163 03	126 00	126 00
CUM 3163075	PAINT ISXRED	3	37 18	15 59	46 77
UTA FF2200	FUEL FILTER	1	19 22	17 90	17 90
	ENVIRONMENT				1 00
UTA LF9070	OIL FILTER	1	52 52	50 44	50 44
	ENVIRONMENT				1 00
UTA WF2127	FILTER H2O	1	28 66	25 58	25 58
	ENVIRONMENT				50
DON P527682	AIR FILTER	1	57 55	57 55	57 55

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SERIAL-#	**ENGINE SN#**	**ENG MDL**	
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Service Advisor	DB	P O #	HRS	CUST-UNIT#	TANDEM
		Invoice Date	APL 18/12	CTRL#	1114

SHE 15W40-ROT-20L OIL	3.	94 75	94 05	282 15
ENVIRONMENT				9 00
SUB				2 450 00
RE SUPPLY NEW THICKER STYLE CORE RAD ASSY W NEW TANKS!!!				
FRT FREIGHT				110 00
FREIGHT TO SEND IN OLD RAD & NEW RADIATOR RETURN!!!				
UTA 15WIDE 15" TIE WRA	10	51	51	5 10
UTA 11NARROW 11" TIE WRA	10	85	85	8 50
UTA GA31S BATTERY GRO	4.	124 50	104 50	418 00
CORE CHARGE				80 00
UTA GA31S BATTERY GRO	0	124 50	104 50	00
CORE CHARGE				80 00-
UTA BATTERY NUT NUT #ZBJ849	4	3 60	3 60	14 40
UTA MISC MISC PARTS	3	60	00	1 80
RIVETS				
UTA 36751 FLATWASHER	1	55	55	55
UTA 39726 LOCKWASHER	1	21	21	21
UTA 39030 BOLT, 5/16"	1	1 24	47	47
UTA 25-8060 DISCHARGE WA	2	7 51	7 51	15 02
UTA A/CORING MISC O RING	2	53	53	1 06
UTA 401 LEAK STOP	1	12 92	12 92	12 92
UTA ANTIFREEZE EXT PINK 50/50	56	3 97	3 97	222 32
UTA ESTER OIL ESTER"	2	1 88	1 88	3 76
LABOR 201 L-OP LABOR H/D				9.262 50
* LABOR 9 262 50 PARTS 17.473 33 CASE TOTAL 26.735 83				

Terms Payable on receipt of statement
Service Charge of 24% per annum charged
monthly on all past due accounts

WORK ORDER SUMMARY TOTALS	
LABOR	9 262 50
PARTS	17 787 33
SUBLET	2 450 00
P S T	1 478 54
SHOP SUPPLIES	385 00
SUB-TOTAL	31 363 37
G S T	1 494 28

*** HISTORY REPRINT ***

TOTAL	32 857 65
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