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Comp Code: All CLAIM ON 9436528. 110-8878 FILTER = \$52.79 2 140-0098 BOLT X \$95.21 = \$190.42 2 192-7870 BEARING X 420.37 = \$404.74 33 205-0640 NUT X \$12.31 = \$406.23 1 33-0519 GREATS CREDIT = \$1,526.33 IN REGARDS TO LABOR: FIRST DAY ONSITE WAS CUT SHORT DUE TO CUSTOMER SPECIFIC NEEDS. TRAVEL TIME = 90 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 14.0 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 14.0 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 10.0 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 10.0 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 10.0 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950 HOURS X 170.75HR = \$1,536.75 ONSITE TIME = 950.40HR = 170.75HR = \$1,536.75 ONSITE TIME = 950.40HR = 170.75HR = \$1,536.75 ONSITE TIME = 950.75H	المي			Seg	g Arr No:	rial No:
Trans SIN: Trans	332.54 RUN ENG PRESERV INPECTE 6" HIGH, / FILTER, C GASKET (MISSING, CRANKCA SEALS, EI VIBRATIO TRIP & RE ENGINE F CRANKCA OF ENGIN	0.00 797.50 TRAVEL	553.58 OFFSET	otal Notes ,553.58) CREDIT CLAIM (1 1G-88; 2 1W-00; 2 192-78 33 205-0 1 334-05 1 309693 TOTAL P IN REGA FIRST D, SPECIFIC TRAVEL ONSITE: TOTAL L GOODW = \$5.553.3	15-Apr-10	01YG00181
Trans S/N: Trans	INC & FROM JOB SITE INCINE BEFORE STA ADJUST LEVEL. COO OK. REPLUBE ELLOV ON REAR OF BELLOV INSTALL NEW GASK INSTALL NEW GASK ASE DOOR LEAKING. ASE DOOR LEAKING. OR 4 HOURS UNDER OR 4 HOURS UNDER OR 4 HOURS UNDER IE. COVER OVER CR. IE. COVER OVER CR. III. STALL WHEN ENGINE IE. COVER OVER CR. III. STALL WHEN ENGINE IE. COVER OVER CR. III. STALL WHEN ENGINE III. COVER CR. III. COVER CR. III. STALL WHEN ENGINE III. COVER CR. III. COVER CR. III. STALL WHEN ENGINE III. STALL WH	TO & EDOM TOB SITE	GOODWILL CREDIT I	Comp Code: All GOODWILL PARTS & 98 BOLT X \$95.21 = \$ 98 BOLT X \$12.31 = \$ 170 BEARING X 420.31 640 NUT X \$12.31 = \$ 131 OIL = \$66.64 9ARTS CREDIT = \$1.6 140 HOURS X 150 REDS TIME = 9.0 HOURS X 150 REDIT RIS ABOR CREDIT RIS \$1.0 HOURS X 150 REDIT RIS	Trans Make:	
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25,732.15 CONNECTING ROD BEARING REPLACEMENT MAR 3-09 STEVE S. -3612 ROD BEARINGS, LOCKED OUT ENGINE, DRAINED OIL REMOVED HYDRAX TANK AND CRANKCASE DOORS -ROLLED IN 12 NEW ROD BEARINGS, NEW ROD BOLTS AND NUTS. TORQUED ALL ROD BOLTS TO FIRST TORQUE STEP 75 FTLBS. MAR 3-09 DARIN R -DRAINED OILREMOVED CRANKCASE DOORSASSISTED IN VALVE SET ON UNITREMOVED OIL SPARY TUBESINSTALL PISTON HOLDERSREMOVED CENNECTING ROD CAPSCLEANED CAPS AND RODS.	24,552.94 1,768.26 ** TRAVEL TIME. **	- F	20,539.94 * INSPECT CRANK STRAINER, FILTER CART ENGINE OIL, REPLACE MAIN BEARINGS IF REQUIRED AS PER MICHELE CURTIS. 12/09/09 - STEPHEN, DARIN, TRAVIS TRAVEL TO SITE. REMOVE DOORS AND STARTERS, HYDRAX LINES AND TANK. PULLED ROD CAPS FOR 5 AND 7. 12/10/09 - STEPHEN, DARIN, TRAVIS TRAVEL TO SITE. REMOVE DOORS AND BEARINGS. CLEAN TOP OF ROD SEATING SURFACE AND CAPS. REINSTALL BEARINGS WITH LUBRIPLATE. INSTALL ROD CAPS AND TIGHTEN. CLEAN UP AND TRAVEL. 12/11/09 - DARIN, TRAVIS PICK UP GENERATOR AND HEATER, SET UP FOR IN BUILDING. TORQUE ALL RODS STARTING FROM TAB SIDE TO 75FT/LBS, THEN TORQUED TO 277FT/LBS INITIAL 180 DEGREES. INSTALL PISTON SPRAY TUBES, TORQUED BOLTS. INSTALL CRANKCASE DOORS. INSTALL PROPAX SYSTEM LINES AND TANK. FILLED UNIT WITH OIL THAT WAS REMOVED INTO A CLEAN BARREL. WASH ENGINE DOWN AND CLEAN BUILDING. TRAVEL TO FORT ST JOHN. COMPLETE SERVICE REPORT	: 2,130.04 4,098.00	

	2301203		2561203					
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		WO Total:		WO Total:				
- TRAN - TRAN - TRAN - GOT FOR T - GET - CHEC 17715	421.50 ** TRAVEL TIME. ** 13.653.97 ** REPLACE LEAKING CYLINDERS HEADS - #1 AND #6. **	0.00 REPAIR AT OEM NO ADD 23,310.94	19,678.38 SUPPLY LEFT AND RIGHT TURBOCHARGERS 3,632.56 REPAIR LEFT TURBO AT OEM ADD PARTS - THRUST BEARINGS	12,595.33 40,095.74	-TOF REA *PRO CHA	SNI- SNI- SNI- SNI- MS- MOI-	-FILLE -CON ADVIS CHAN -STAP MAR	-INST. TORG MAR & -FINIS -INST.
- CHECK ON TOOLING SPECS - NEW STYLE PRESS HAS	421.50 ** TRAVEL TIME. ** 653.97 ** REPLACE LEAKII	0.00 REPAIR RIGHT TURBO AT OEM NO ADD CHARGE PARTS - \$0	SUPPLY LEFT AND RIGHT TURBO REPAIR LEFT TURBO AT OEM ADD PARTS - THRUST BEARINGS	ADDITIONALS NOT COVERED BY QUOTE. *CUSTOMER MUST BE INFORMED BEFORE ADDITIONALS ARE COMPLETED	-TORQUED FRONT FOOT TO 400 FTLBS MIDDLE 500FTLBS. REAR TO 600FTLBS. *PROPER CODEING AS PER DARREN ACHESON APR 15-09 CHARGE CODE IS 17521500 FORMAN CODE F-795	-TORQUED ALL CAPS TO 277FTLBS IN PROPER ORDERTURNED BOLTS 180 DEGSWABBED PANINSTALL OIL SPRAY TUBES TORQUED TO 40FTLBSINSTALL CRANKCASE DOORSINSTALL FOOT BOLTS BACK IN UNIT.	FILLED ENGINE WITH OIL AND HYRAX -FILLED ENGINE WITH OIL AND HYRAX -CONNECTED TO ECM AND FLASHED NEWEST FILE FOR ADVISORY 3014690, CALLED FOR PASSWORDS AND CHANGED ENGINE HOURS TO 55118 -START ENGINE AND LET WARM UP, CHECKED FOR LEAKS MARA 4-09 DARIN R	-INSTALL NEW BEARINGS ON ALL CYLINDERS. TORQUED ALL UP TO 75 FTLBS. MAR 4-09 STEVE S. FINISHED FINAL TORQUE ON ROD BOLTS, CLEANED OUT OIL PAN AND INSTALLED SPRAY TUBES ON RIGHT BANK -INSTALLED LEFT SIDE CRANK CASE DOORS, HYDRAX TANK AND I INFS
TO SITE A	** KING CYLIN	URBO	ND RIGHT T JRBO	OT COVERE IST BE INFO	NT FOOT TO LBS. ING AS PER IS 17521500 F-795	S 180 DEG. S 180 DEG. PRAY TUBES CCASE DOC	E WITH OIL / O ECM AND 690, CALLE INE HOURS (AND LET W	BEARINGS (UP TO 75 FT UP TO 75 FT E S. L TORQUE STALLED S STALLED CR.
ND GOT CA	IDERS HEAI	ö	URBOCHAF	ED BY QUOT	O 400 FTLB:	77FTLBS IN S TORQUED JRS. K IN UNIT.	AND HYRAX) FLASHED D FOR PAS TO 55118 WARM UP, C	5 FTLBS. 5 FTLBS. LE ON ROD BOL D SPRAY TUBES CRANK CASE DO
TYLE PRES	DS - #1 AND		RGERS	TE.	S MIDDLE 5	PROPER O	NEWEST FI	 LTS, CLEA ES ON RIGH DOORS, HY
URN S HAS	#6 #			IONALS	OOFTLBS,	BS. RDER.	ILE FOR	NED OUT IT BANK DRAX

SECOND C DES PART	- TRAVEL BACK TO FORT ST. JOHN				<u> </u>
9425945 - 99 C 025 9117 WO Total: 13.	- CLEANED UP				
9425845 - 99 C 025 9117 9425845 - 99 C 025 9117 WO Total: 13, 9423006 - 02 C 035 7499	- FOUND BURNT VALVES				
9425945 - 99	- FOUND #7 CYLINDER AT 15 PSI				
9425845 - 99 C 025 9117 WO Total: 13.	- DID COMPRESSION TEST				
9425845 - 99 C 025 9117 9425845 - 99 C 025 9117 WO Total: 13. 18-Jun-05 24378 9423006 - 01 C 056 9866 9423006 - 02 C 035 7499	- REMOVE COILS AND SPARK PLUGS				
9425845 - 99 C 025 9117 9425845 - 99 C 025 9117 WO Total: 13, 18-Jun-05 24378 9423006 - 01 C 056 9966 9423006 - 02 C 035 7499	- WENT OVER TO THE G3412 BOOSTER				
9425845 - 99 C 025 9117 9425006 - 01 C 056 9966 9423006 - 02 C 035 7499	- ENGINE RUNNING OK				
9425945 - 99 C 025 9117 9425945 - 99 C 025 9117 WO Total: 13. 18-Jun-05 24378 9423006 - 01 C 056 9966 9423006 - 02 C 035 7499	CONNECTIONS IN MAIN PANEL - REPAIRED				
9425845 - 99 C 025 9117 9425845 - 99 C 025 9117 WO Total: 13. 18-Jun-05 24378 9423006 - 01 C 056 9866 9423006 - 02 C 035 7499	- FOUND LOOSE WIRES ON THE MAGNETIC PICK UP				
9425945 - 99 C 025 9117 9425945 - 99 C 025 9117 WO Total: 13, 18-Jun-05 24378 9423006 - 01 C 056 9966 9423006 - 02 C 035 7499	- ENGINE GOING DOWN ON OVER SPEED				
9425945 - 99 C 025 9117 9425945 - 99 C 025 9117 WO Total: 13. 18-Jun-05 24378 9423006 - 01 C 056 9866 9423006 - 02 C 035 7499	- TRAVEL TO LOCATION				
9425845 - 99 C 025 9117 9425845 - 99 C 025 9117 WO Total: 13, 9425006 - 01 C 056 9966 9425006 - 02 C 035 7499	06/18/05 - ROD				
9425845 - 98 C 025 9117 9425845 - 98 C 025 9117 WO Total: 13, 199	ON OVER SPEED. **				
9425845 - 99 C 025 9117 9425845 - 99 C 025 9117 WO Total: 13,829.47 18_Jun-05 24378 9423006 -01 C 056 9966 336.00	782.20 ** TROUBLESHOOT AND REPAIR FOR ENGINE GOING DOWN		9423006 - 02		
C 025 9117 WO Total: 13,829,47	336.00 ** TRAVEL TIME. **				256120
C 025 9117 (246.00)					
SIL TO MAKE SURE AND TESEMBED TO BE CORRECT OLD STYLE FAMS I HAVE BOOD PSI TO RE AND RE REPLACE I AND IS CYLLIDER HAVD REPLACE I AND IS CYLLIDER HAVD SIGNER HAVE AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WEAR, AND WOULD HAVE BEEN REPLACED HAD WEAR, AND WOULD HAVE BEEN REPLACED HAD WEAR HAD BOOD HAVE BEEN REPLACED HAD WEAR HAD BOOD HAVE BEEN REPLACED HAD WEAR HAD BOOD HAVE BEEN AND REPLACED HAD WEAR HAD BOOD HAVE UNLOAD CYLLIDER HEADS IN WAREHOUSE WORKORDER WOTES - WEAR PAMP EAK SAZZSS 05, 105 ZA021 HRS - UNLOAD CYLLIDER HEADS IN WAREHOUSE WORKORDER WOTES - WEAR PAMP EAK SAZZSS 05, 105 ZA021 HRS - OVERSEED 94Z2005 (150 ZA	(246.00) ** ADJUST FOR CUSTOMER LOYALTY RATE REDUCTION, **		9425845 - 99		
BECAUSE OF THE EXTREME PRESSURE! CHECKED IN SIST OF MAKE SURE AND IT SEEMED TO BE CORRECT OLD STYLE FAMS HAVE 6000 PSI TO RE AND RE REPLACE HAVE HAVE 6000 PSI TO RE AND RE REPLACE HAVE HAVE 6000 PSI TO RE AND RE REPLACE HAVE HAVE 6000 PSI TO RE AND RE REPLACE HAVE HAVE 6000 PSI TO RE AND RE SIGNS RULL AND WELKE, AND WOULD HAVE BEEN REPLACE HAVE FALD FELD AND WELKE, AND WOULD HAVE BEEN REPLACE HAVE FALD FELD FALD FOR TOWN DATISS AND GAV'S - ITANEL BACK TO TOWN DATISS AND GAV'S - ITANEL BACK TO TOWN DATISS OF TOWN AVERAGE HAVE BADS SAUZEH HRS - DURROPED 942509 05.19 05.24024 HRS - DURROPED 942509 0					
BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIST ON MAKE SURE AND IT SEMED TO BE CORRECT OLD STYLE RANG HAVE BORD REPLACE ALL O-RINGS AND SEAL. WE DID NOT TAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR AND WOLLD HAVE BEEN REPLACED HAD WE HAD NEW ONLES - SET VALVES AND GAVS ITRAVEL BOK TO TOWN GATSOS. SAM UNITAVEL BOK TO TOWN GATSOS. SAM WATER PURPLE LEX RAZZSSO 05 10.05 24024 HRS - VERAD CRACKED VALLE SAZZSSO 05.10.05 24024 HRS - VERAD CRACKED VALLE SAZZSSO 05.10.05 24028 HRS - HEAD CRACKED VALLE SAZZSSO 05.10.05 24028 HRS - HEAD CRACKED VALLE SAZZSSO 05.10.05 31408 HRS - HEAD CRACKED VALLE SAZZSSO 05.10.05 31408 HRS - TOTAL HOURS TO HEAD CHANGE OUT T387 - NO RECORD OF #1 OR BIS HAD PROBLESS AND DID NOT HAVE ANY WORKORDERS OPEN TO DO IT - NO WORKORDERS OPEN TO DO IT - NO WORKORDERS OPEN TO DOI TO HIGH EXHAUST	- CUSTOMER CHARGE, NOT FOR WARRANTY				
SIS TO MAKE SURE AND IT SEEMALE PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMAD TO BE CORRECT OLD STYLE RAMS HAVE GOOD PSI TO BE CORRECT OLD STYLE RAMS HAVE GOOD PSI TO BE CORRECT OLD STYLE RAMS HAVE GOOD PSI TO BE AND RE REPLACE ALL ORINGS AND SEAL. WE DID NOT HAVE NEW PRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WEAR AND WOULD HAVE BEEN REPLACED HAD WEAR AND WOULD HAVE BEEN SET VALVES AND GAV'S - INSTALL DOVERSS - INSTALL DOVERSS - INSTALL DOVERSS - INDACED SALT TOOMN MATSIGN TOOMN MATSIGN TO BE AND CHANGE OUT 7887 - IND RECORD OF \$1 OR \$24728 HRS - POPEN CEEP HIGH HEADS \$425845 OM 18.06 \$1409 HRS - TOTAL HOURS TO HAS ONEN BOOD IT - NO NOROCROEDES WITH RECPERANCE TO BOOT - NO NOROCROEDES WITH REFERENCE TO BOTH ON HIGH ENHAUST - NO NOROCROEDES WITH REFERENCE TO BOTH ON HIGH ENHAUST - NO NOROCROEDES WITH REFERENCE TO BOTH ON HIGH ENHAUST	TEMPERATURES, ETC				
SECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIST TO MAKE SURE AND IT SEEMED TO BE CORRECT! OLD STYLE RAWS HAVE BOOD SIST OR EAVED RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE #1 AND #6 CYLINDER HEAD REPLACE HAVE REW REPRES HIGS BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - SET VALVES AND GAV'S - INSTALL COVERS - TRAVEL BACK TO TOWN 041906 - SAM — WORKORDER HEADS IN WAREHOUSE WORKORDER NOTES - PLEAD SWING 9421320 03 10.05 24021 HRS - OVERSPEED 942306 06; 18 05 24021 HRS - OVERSPEED 942306 06; 18 05 24021 HRS - OVERSPEED 942306 06; 18 05 24021 HRS - TOTAL HOURS TO HAD CHANGE OUT 7887 - NO RECORD OF #1 OR #8 HEAD PROBLEMS - WE NEVER DID RESEAU OR ANY PRECHAMBERS AND DID NOT HAVE ANY WORKORDERS OPEN TO DO IT	- NO WORKORDERS WITH REFERENCE TO HIGH EXHAUST				
BECAUSE OF THE EXTREME PRESSURE I CHECKED IN BIS TO MAKE SURE AND IT SERMED TO BE CORRECT OLD STILE FAMS HAVE REGOOD SI TO RE CORRECT REPLACE ALL O-RINGS AND SFAL WED DO NOT HAVE NEW FIRE RINGS S-BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES INSTALL COVERS INSTALL COVERS INSTALL COVERS UNLOAD CYLINDER HEADS IN VANREHOUSE WORKORDER NOTES HEAD SWING 9421320 03 10 05 24021 HRS OVERSPEED 9423005 05 10 05 24024 HRS OVERSPEED 9423005 07 108 51405 HRS FEPLACE #16 HEADS 9425845 04 18 06 31408 HRS TOTAL HOURS TO HEAD CHANGE OUT 7887 NO RECORD OF #1 OR #6 HEAD PROBLEMS WE REVER DID RESEAL OF ANY PRECHAMBERS AND DID WE REVER DID RESEAL OF ANY PRECHAMBERS AND DID	NOT HAVE ANY WORKORDERS OPEN TO DO IT				
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BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT OLD STYLE FAMS HAVE 8000 PSI TO RE AND RE REPLACE #1 AND #6 CYLINDER HEAD REPLACE #1 AND #6 CYLINDER HEAD SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - SET VALVES AND GAV'S - NISTALL CORRES - TRAVEL BACK TO TOWN 04/19/06 - SAM ———————————————————————————————————	- NO RECORD OF #1 OR #6 HEAD PROBLEMS				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE ALL O-RINGS AND SEAL - WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - SET VALVES AND GAVS - NSTALL COVERS - FRAVEL BACK TO TOWN 04/19:06 - SAM ———————————————————————————————————	- TOTAL HOURS TO HEAD CHANGE OUT 7387				
BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT OUD STYLE RAMS HAVE 6000 PS IT OR EA OD RE REPLACE #! AND 86 CYLINDER HEAD REPLACE #! AND 86 CYLINDER HEAD REPLACE ALL O-RINGS AND SEAL WE DID NOT HAVE NEW FRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR. AND WOLD HAVE BEEN REPLACED HAD WE HAD NEW ONES SET VALVES AND DAVYS INSTALL COVERS TRAVEL BACK TO TOWN 04/1906 - SAM — UNLOAD CYLINDER HEADS IN WAREHOUSE WORKORDER NOTES HEAD SWING 9421320 03 10.05 24021 HRS WORKORDER NOTES HEAD SWING 9421320 03 10.05 24021 HRS WATER PUMP LEAK 9422599 05.190.5 24024 HRS OVERSPEED 9423006 05.180.6 24021 HRS HEAD-CRACKED VAVLE 9423782 10.24.05.29742 HRS	- REPLACE #1/6 HEADS 9425845 04.18.06 31408 HRS				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT OLD STYLE RAMS HAVE 8000 POST TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE #1 AND #6 CYLINDER HEAD - NÆ DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - SET VALVES AND GAVS - INSTALL COVERS - INSTALL COVERS - UNLOAD CYLINDER HEADS IN WAREHOUSE - UNLOAD CYLINDER HEADS IN WAREHOUSE - WORKORDER NOTES - HEAD SWING 9421320 03.10.05.24021 HRS - OVERSPEED 9423006 06.18.05.24024 HRS - OVERSPEED 9423006 06.18.05.24024 HRS	- HEAD-CRACKED VAVLE 9423762 10.24.05 29742 HRS				
BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE - REPLACE IT LO-RINGS HAVE 6000 PSI TO RE AND RE - REPLACE ALL O-RINGS HOUSE HEAD - WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - INSTALL COVERS - INSTALL COVERS - TRAVEL BACK TO TOWN 04/19/06 - SAM ———————————————————————————————————	- OVERSPEED 9423006 06.18.05 24378 HRS				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE BOOD PSI TO RE AND RE - REPLACE #1 AND #8 CYLINDER HEAD - REPLACE #1 AND #8 CYLINDER HEAD SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - INSTALL COVERS - INSTALL COVERS - UNLOAD CYLINDER HEADS IN WAREHOUSE - UNLOAD CYLINDER HEADS IN WAREHOUSE - WORKORDER NOTES - HEAD SWING 9421320 03 10.05 24021 HRS	- WATER PUMP LEAK 9422599 05.19.05 24024 HRS				<u> </u>
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE GOOD PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE #1 AND #6 CYLINDER HEAD - WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - SET VALVES AND GAV'S - INSTALL COVERS - TRAVEL BACK TO TOWN 04/19/06 - SAM ———————————————————————————————————	- HEAD SWING 9421320 03.10.05 24021 HRS				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE BOOD PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE #1 AND WE ALL O-RINGS AND SEAL - WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - SET VALVES AND GAV'S - INSTALL COVERS - TRAVEL BACK TO TOWN 04/19/06 - SAM ———————————————————————————————————	WORKORDER NOTES				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE ALL O-RINGS AND SEAL - WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - INSTALL COVERS - INSTALL COVERS - TRAVEL BACK TO TOWN 04/19/06 - SAM ———————————————————————————————————					
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE ALL O-RINGS AND SEAL - WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - SET VALVES AND GAV'S - INSTALL COVERS - TRAVEL BACK TO TOWN 04/19/06 - SAM ———————————————————————————————————	- UNLOAD CYLINDER HEADS IN WAREHOUSE				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE ALL O-RINGS AND SEAL - WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - SET VALVES AND GAV'S - INSTALL COVERS - TRAVEL BACK TO TOWN	04/19/06 - SAM				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE ALL O-RINGS AND SEAL - WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - INSTALL COVERS	- TRAVEL BACK TO TOWN				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE ALL O-RINGS AND SEAL - WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES - SET VALVES AND GAV'S	- INSTALL COVERS				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE ALL O-RINGS AND SEAL - WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN REPLACED HAD WE HAD NEW ONES	- SET VALVES AND GAV'S				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE ALL O-RINGS AND SEAL - WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED SIGNS RUB AND WEAR, AND WOULD HAVE BEEN	REPLACED HAD WE HAD NEW ONES				
- BECAUSE OF THE EXTREME PRESSURE CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE ALL O-RINGS AND SEAL - WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED	SIGNS RUB AND WEAR, AND WOULD HAVE BEEN				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD - REPLACE ALL O-RINGS AND SEAL	- WE DID NOT HAVE NEW FIRE RINGS - BOTH SHOWED				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE - REPLACE #1 AND #6 CYLINDER HEAD	, REPLACE ALL O-RINGS AND SEAL				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT - OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE	- REPLACE #1 AND #6 CYLINDER HEAD				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT	- OLD STYLE RAMS HAVE 6000 PSI TO RE AND RE				
- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN	SIS TO MAKE SURE AND IT SEEMED TO BE CORRECT				
	- BECAUSE OF THE EXTREME PRESSURE I CHECKED IN				

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- CHANGE ALL O-RINGS AND SEALS ON WATER CONNECTION AND OIL THERMOSTATS - REMOVE HEAD NUTS AND ALL 12 HEADS - HELP DAN TAKE APART THE EXHAUST MANIFOLD - LINE UP ALL NEW HEADS AT THE FRONT OF THE BAY - BOX UP ALL OLD HEADS FOR CORES - COMPLETE PAPERWORK 02/2/2/05 - BILL, ROD & DAN CLEAN HEAD STUDS - CLEAN HEAD STUDS - REMOVE, INSPECT, CLEAN AND INSTALL CAM FOLLOWERS - WRAP PRECHAMBERS FOR TRANSPORT (TO MACHINE SHOP) - GOUGE OFF BELLOWS AND REMOVE COLLAR FROM EXHAUST	- 9421318 - REMOVE AND INSTALL - 9421320 - PERFORM HEAD SWING - 9421049 - INSTALL ADEM III UPGRADE 02/14/05 - BERNIE	(6 HOURS X \$10/HOUR = \$60) WO Total: 1,058.20 158,824.00 ** PERFORM HEAD SWING. **

- LOAD AND UNLOAD TYPHOON WITH ROCKER BOXES

CORROSION INSIDE ALL PIPES

- INSTALL ADAPTERS IN HEAD - CLEAN AND CHANGE O-RINGS ON OIL LINE RE-INSTALL HEAD (BILLED TO SERVICE WTY 2.0 HRS) ON THE #2 CYLINDER HEAD WHILE INSTALLING THE 02/25/05 - BERNIE & ROD (REPLACED SEALS AND BEARINGS, SHAFT WAS - INSTALL FLYWHEEL AND ADAPTER - TORQUE ALL - TAKE WASHED HEADS AND SET ON ENGINE 02/24/05 - BERNIE, ROD, BILL & DAN ---DELIVER TO MACHINE SHOP (PEACOCK/WEIR SVCS) - SEPARATE NOZZLE FROM PRECHAMBER BODY TO HEADS TO 7/16" (3HRS) - DRILL AND COUNTER-SINK PRECHAMBER HOLES IN - CLEAN PARTS - REMOVE FLYWHEEL AND REPLACE THE RING GEAR - DELIVER EXHAUST MANIFOLD TO SANDBLASTER 02/23/05 - BILL & DAN --- CLEAN, INSPECT AND INSTALL VALVE LIFTER INSTALL COMBUSTION PROBES, EXTENSIONS AND - PUT HEAD TOOLING AWAY REMOVE #2 CYLINDER HEAD; CHANGE O-RING, AND - GET OUT HEAD TOOLING FROM THE BARN - NOTICED THAT THERE WAS AN INTAKE O-RING CUT - COMPLETE PAPERWORK - CLEAN UP REUSED) - REBUILD CHOKE AND INSTALL ON ENGINE - REMOVE AND REPLACE REAR SEAL TORQUE HEADS - CLEAN LINER FLANGES AND INSTALL FIRE RINGS - TAP ALL PRECHAMBER HOLES IN THE HEADS TO 1/2" - REMOVE, DISMANTLE AND INSPECT CHOKE INSTALL ALL GAV'S MOVE EXHAUST MANIFOLDS INSIDE SLING HEAD TO THE BACK OF THE SHOP FOR ROD TO PICK UP EXHAUST MANIFOLD AT SANDBLASTER CLEAN UP CYLINDERS

- INSTALL OIL LINES

- LAND OF #5 HEAD WAS NO GOOD NOTED THAT THE CASTING ON THE LOWER O-RING
- GET OUT HEAD TOOLING AGAIN
- REMOVE NUTS
- PRECHAMBER HOLES (ALL BILLED TO PARTS TO BE CLEANED AND MODIFIED TO 1/2" - COULD NOT INSTALL THE NEW HEAD AS IT NEEDED
- INSTALL SPARK PLUG EXTENSION TUBES WARRANTY)
- COVER ENGINE
- PICKED UP PRECHAMBERS AT PEACOCK/WEIR AND
- DRESSED WITH O-RINGS
- CLEAN UP
- COMPLETE PAPERWORK
- 02/28/05 BERNIE, TED, BILL & DAN -
- MOVE EXHAUST MANIFOLD PIECES OUTSIDE SHOP
- AND BLOW SAND OUT FROM THE SANDBLASTERS
- REMOVE PYRO ADAPTERS AND USE A ONE-INCH TAP TO CLEAN ALL THE THREADS
- INSTALL THE EXHAUST BELLOWS ON ONE SIDE
- TIGHTENING THE BOLTS ONLY FINGER TIGHT

- CLEAN RIGHT BANK PRECHAMBER SEATS

- PREP ALL PRECHAMBERS
- INSTALL RIGHT BANK PRECHAMBERS AND TORQUE
- GAP AND INSTALL ALL NEW SPARK PLUGS ON BOTH
- CLEAN ALL PRECHAMBER CHECK VALVE SEATS AND INSTALL ALL CHECK VALVES AND TORQUE
- CHANGE ALL O-RINGS ON CHECK VALVE CAPS AND INSTALL CAPS
- INSTALL O-RINGS ON LIFTER COVERS AND INSTALL
- MEASURE AND RECORD THE ROTATOR HEIGHTS
- INSTALL AND SET BRIDGES
- INSTALL PEDESTALS AND ROCKER GEAR
- INSTALL ROCKER BOXES
- TURN ENGINE OVER BY HAND AND PIN THE CRANK
- TO SET THE VALVES - MARK THE ROCKERS AND GAV'S IN PREPARATION
- TURBO AND CHANGE THE BOTTOM COOLING PLATE - RE-ORIENTATE INTAKE END OF THE RIGHT-HAND
- INSTALL BOTH TURBOCHARGERS
- HOOK UP OIL LINES
- **BOTH TURBOS** - INSTALL ALL BLOCKER PLATES AND ADAPTERS ON
- ORDER INTAKE SEALS - INSTALL EXHAUST BELLOWS TO THE STOCKS AND

MANIFOLD AND TORQUE ASSEMBLE AND INSTALL LEFT BANK EXHAUST

- ASSEMBLE AND SET RIGHT BANK EXHAUST

03/04/05 - BERNIE & TED -MANIFOLD IN PLACE

EXHAUST MANIFOLD AND TORQUE ALL BOLTS - INSTALL REMAINING BOLTS ON THE RIGHT BANK INSTALL ALL BYPASS PIPING AND WASTEGATE

AND THE GASKET COULD SEE LIGHT BETWEEN THE BELLOWS FLANGE BYPASS EXPANSION JOINTS I NOTICED THAT YOU WHILE AFTER TIGHTENING THE BOLTS ON BOTH

- REMOVED BOTH BELLOWS

- FOUND THAT BOTH FLANGES ON BOTH BELLOWS

WERE WARPED

- HAD 2 BELLOWS IN STOCK

CUSTOMER CHARGE) AND INSTALLED - ORDERED THROUGH THE CALL CENTER (TO SEG 03

- ASSEMBLE AND INSTALL RIGHT BANK WATER

MANIFOLD

- CLEAN UP BAY

- COMPLETE PAPER WORK

03/05/05 - BERNIE, BILL & DAN --

THE WATER MANIFOLDS ON THE HEADS TO THE - MAKE GASKETS FOR THE FLANGES THAT GO FROM

- INSTALL LAST TWO FLANGES AND CONNECTING

- INSTALL FUEL TUBES ON RIGHT-HAND SIDE

 CLEAN AND INSTALL NEEDLE VALVES AND TURBOS INSTALL EXHAUST BLANKETS

- CLEAN UP BAY

03/06/05 - BILL --

· CLEAN, RESEAL AND INSTALL CRANKCASE

BREATHERS AND CRANKCASE EVACUATION VALVES

INSTALL COOLANT TUBES FOR TURBOCHARGERS

BRACKET WAS CUT OFF TO REMOVE THE CYLINDER OUTLET TUBE FOR THE COOLANT AS THE OLD - MAKE UP A REMOVABLE BRACKET TO HOLD THE

REBUILD WASTEGATE

03/10/05 - DAN -

40,100.36 ** ADDITIONALS NOT COVERED BY QUOTED REPAIRS. **

9421318 - 02 C 010 1000	2561203 08-Feb-05 24021 9421318 - 01 C 056 9966		9421320 - 80 C 901 1052
36,767.26 ** REMOVE AND INSTALL ENGINE. ** 02/10/05 - TED / DAN	10,883,00 ** TRAVEL TIME. ** SAFETY ASPECTS	XDOC: 94X002493 ADDITIONAL CHARGES FOR REPAIR OF 1 - 4P6747 TURBO MD: 8344126 FEB 22.05 JV ADD CHARGES DO NOT APPLY - CLOSED 03.07.05 TLO WO Total: 198,924.36	0.00 - XDOC: 94X002493 - ADDITIONAL CHARGES FOR REPAIR OF 1 - 4P6747 TURBO - MD: 8344125 - FEB 22.05 JV - ADD CHARGES DO NOT APPLY - CLOSED 03.07.05 TLO

BELLOWS FROM THE EXHAUST PIPING FROM BOTH - START DISCONNECTING THE EXHAUST TURBO

THE RIGHT AND LEFT EXHAUST MANIFOLDS

- PICK UP TOOLS

- REMOVE ESS PANEL
- TAKE OIL DRAIN LINES OFF THE ENGINE
- DISCONNECT LINES FROM BUILDING TO COOLER
- DISCONNECT COMPRESSOR FROM SKID
- COMPRESSOR - DISCONNECT OIL AND COOLANT LINES FROM THE
- DISCONNECT ALL COMPRESSOR PACKING DRAIN
- CAP COMPRESSOR ENDS TUBES AND BAG UP THE TUBES
- LOAD PART ON PALLETS AND BOX UP ALL BOLTS
- COVER ALL OPEN LINES / FLANGES
- REMOVE COOLANT EXPANSION TANK AND LOWER
- TO THE GRATING
- DISCONNECT HAWK 1 PANEL AND WRAP IN PLASTIC
- CLEAN UP BUILDING AND LOAD TOOLS
- TRAVEL FROM SITE TO FORT ST. JOHN
- TRAVEL FROM FORT ST. JOHN TO SITE 02/17/05 - BERNIE / DAN --
- REMOVE EXHAUST PIPING
- REMOVE REAR SECTION OF WATER TOWER THAT
- HOLDS THE INTAKE AND EXHAUST PIPE
- REMOVE OVERHEAD CRANE
- REMOVE DAY TANKS
- FILTER BOXES AND THERMOSTATS REMOVE FRONT HALF OF WATER TOWER WITH AIR

- COMPLETE PAPERWORK
- TRAVEL FROM SITE BACK TO FORT ST. JOHN
- 02/18/05 BERNIE / DAN -
- TRAVEL FROM FORT ST. JOHN TO SITE CHECKIN
- WAIT TO LIFT ENGINE WHILE THEY LOADED THE
- TARP IN ENGINE - LIFT ENGINE ONTO TRAILER AND BOOM DOWN
- LIFT COMPRESSOR ONTO A DIFFERENT TRAILER
- COVER SUCTION HOLES WITH RAGES AND PLYWOOD
- TARP IN COMPRESSOR
- ORGANIZE AND LOAD SHIMS
- CLEAN UP
- SIGNED - COMPLETE ALL PAPERWORK, PRINT, AND GET IT
- TRAVEL FROM SITE BACK TO FORT ST. JOHN
- MEET TRUCK AT SHOP
- CLEAR SNOW ON STEAM PAD
- PARK TRAILER ON STEAM PAD
- UNTARP THE ENGINE AND STEAM IT OFF

- UNLOAD ENGINE AND MOVE IT INTO THE SHOP

02/19/05 - BERNIE / DAN

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- CLEAN UP
                                                                                                                                                                                                                                                                - INSTALL START UP SCREENS IN COOLANT LINES
                                                                                                                                                                                                                                                                                                                                                               - TRAVEL FROM FORT ST. JOHN TO LOCATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                - INSTALL EXHAUST PIPING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    - INSTALL INTAKE AND STAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                - WAIT FOR PICKER TRUCK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 - TRAVEL FROM FORT ST. JOHN TO SITE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   - LOAD COMPRESSOR ON FLAT DECK AND INSTALLED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      - WAIT FOR TRUCK TO ARRIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   - TOW ENGINE OUTSIDE IN PREPARATION TO LOAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          03/07/05 - BERNIE / BILL --
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      - INSTALL LIFTING BRACKETS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03/02/05 - TED --
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     - BEGIN OVERHAUL - SEPARATE WORKORDER/JOB
- TRAVEL FROM FORT ST. JOHN TO LOCATION
                                                                   05/10/05 - ROD / DAN --
                                                                                               - RETURN TO FORT ST. JOHN
                                                                                                                                                                                                                               - LOOK OVER UNIT AND MAKE A LIST OF ITEMS
                                                                                                                                                                                                                                                                                                                                                                                                - PICK UP PARTS
                                                                                                                                                                                                                                                                                                                                                                                                                                     05/09/05 - ROD / DAN ---
                                                                                                                                                                                                                                                                                                                                                                                                                                                              - TRAVEL FROM SITE TO FORT ST. JOHN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   - SIGN IN AND GET WORK PERMITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    03/09/05 - ROD / DAN --
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                - RETURNED TO FORT ST. JOHN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    - LIFT ENGINE AND INSTALL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      - CLEAN MOUNTING FEET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 - WAIT FOR CRANE OPERATOR TO SHOW UP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    - CHECK IN AND OBTAIN PERMITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     - TRAVELED FROM FORT ST. JOHN TO LOCATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   - PICKED UP PARTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        03/08/05 - ROD / DAN -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    - CHAIN ENGINE DOWN AND TARP UP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       - BOLT ENGINE DOWN ONTO SKID
                                - PICK UP PARTS
                                                                                                                                                           - REPAIRED LEAK ON HYDRAX LINE
                                                                                                                                                                                                                                                                                                                              - CHECK IN WITH OPERATIONS AND GET PERMITS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    - CLEAN UP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   - INSTALL EXHAUST AND STAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  - PREP ALL SURFACES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      - CLEAN UP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 - WRAP UP ENGINE AND COMPRESSOR WITH TARPS
                                                                                                                                                                                                                                                                                                  REMOVE EXPANSION JOINTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WRAPPED UP ENGINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOAD ENGINE ONTO TRUCK
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- INSTALL NEW AIR FILTERS - CLEAN OUT AND INSPECT INTAKE PIPING - INSTALL ADVISOR PANEL - SIGN IN AND GET PERMITS
- INSTALL EXHAUST BLANKETS
- INSTALL COOLANT TEST PORTS
- CLEAN UP
- TRAVEL FROM SITE TO FORT ST. JOHN
- 05/12/05 ROD ---
- PICK UP PARTS
- TRAVEL TO LOCATION
- INSTALL INTAKE ELBOWS ON TURBOCHARGERS
- SET UP ACTUATOR LINKAGE ARM AND RODS
- RETURN TO FORT ST. JOHN
- 05/18/05 ROD ---- PICK UP PARTS
- TRAVEL TO LOCATION
- START BUILDING CRANKCASE VENTILATION

- INSTALL FLASH FILES ON ICSM, ECM, AND ADVISOR

- SYSTEM
- DID ALIGNMENT - CHECK WEB DEFLECTION
- REPAIR LEAK ON MAIN COOLANT LINE
- TRAVEL FROM SITE BACK TO FORT ST. JOHN 05/19/05 ROD --------
- PICK UP PARTS
- TRAVEL TO LOCATION
- SYSTEM - FINISHED INSTALLING CRANKCASE VENTILATION
- PRE-LUBE ENGINE AND COMPRESSOR - PURGED FUEL LINE AND STARTER LINE
- STARTED UP ENGINE - SET ALL PARAMETERS
- IDLED ENGINE AT 700 RPM AND MONITORED OK
- IDLED UP TO 850 RPM AND MONITORED
- PROBLEM WITH PYRO
- WILL CHANGE NEXT TIME OUT
- MAIN WATER PUMP LEAKING OIL
- ORDERED NEW ONE AND WILL CHANGE NEXT TIME
- WILL HAVE TO CHANGE OUT FUEL AND WASTE GATE ACTUATOR
- 05/24/05 ROD --- TRAVEL FROM SITE BACK TO FORT ST. JOHN
- PICK UP PARTS
- TRAVEL TO LOCATION

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1,238.00 "TRAVEL TIME AND MILEAGE. " SAFETY ASPECTS	3,160.10 "REMOVE AND INSTALL CYLINDER HEADS. " AUTHORIZATION NUMBER "CSC" AS PER RAYMOND SIMPKINS 3,160.10	4,793.31 ** CUSTOMER PORTION OF CYLINDER HEAD REPLACEMENT (NOT COVERED BY WARRANTY). ** 4,793.31	496.00	496.00 ** CHECK AND ADJUST ENGINE IF REQUIRED. ** 10/05/04 - ROD	(239.5 HOURS X \$10/HOUR = \$2395.00) 53,849.03	111.00 LOAD & UNLOAD 3812 ENGINE SKID	8,482.77 ** REPLACE FUEL AND WASTEGATE ACTUATOR FOR LEAKING. **	- INSTRUCTION OF CRITICAL STREET	- CLEAN UP	- PAINT ENGINE	- SET UP LIVIT AT 50% OAD - MONITORED	- CHANGE PYRO LEAD ON CYLINDER #6	PYRO TEMPERATURE	NOISY VALVE LASH AND CYLINDER #5 DUE TO HIGH	- SET VALVE LASH ON GAV'S THAT WERE OUT	- SHUT DOWN	- DATA LOG ENGINE	- SIGN IN AND GET WORK PERMITS	- TRAVEL TO LOCATION	06/03/05 - ROD / DAN	- DID PARTS CORE/CREDIT RETURNS	- TRAVEL BACK TO FORT ST. JOHN	- CLEAN UP	- REFILL WITH COOLANT	- REPAIR HYDRAX OIL LEAK	- BEDIACE ELIEI AND MASTECATE ACTIVATORS

ENSURE MAN-CHECK IS USED

ENSURE ALL ROAD SIGNS ARE OBEYED

19,464.35 ** REMOVE AND REPLACE RIGHTHAND TURBOCHARGER. ** 01/04/03 - BERNIE & TIM -

- TRAVEL FROM FORT ST. JOHN TO JOBSITE

SHAFT END AND SIDE PLAY ON THE RIGHTHAND TURBO QUESTIONED MARTY IF HE HAD MEASURED THE TURBO

- HE HAD TAKEN THE MEASUREMENTS

- 0.006" END PLAY

-0.022" VERTICAL

-0.020" SIDE PLAY

- THESE MEASUREMENTS ARE WITHIN SPEC

REMOVED INSPECTION DOOR ON EXHAUST SIDE AND

BORESCOPED THE TURBINE

FOUND NO SIGNS OF DAMAGE

REMOVED WASTEGATE FOR INSPECTION

- NO PROBLEMS FOUND

- REMOVED EXHAUST BLANKETS

- FOUND A VERY LARGE HOLE IN THE BELLOWS

HIGH RIGHT STACK TEMP - DECIDED THIS WAS MOST LIKELY THE CAUSE OF THE

- INSTALLED WASTEGATE, LINKAGE, AND BLANKETS

- STARTED UNIT

- REMOVED BELLOWS BLANKET STACK TEMPERATURE AS 530'F AND RISING

- TEMPERATURE DROPPED BELOW 500'F

- NOTICED THAT #4 PYRO TEMPERATURE WAS 603'F

SHUT DOWN UNIT

- PERFORMED COMPRESSION TEST ON CYLINDER #4

- ONLY HAD 140 PSI COMPRESSION PRESSURE

- SHOULD BE IN THE 190-210 PSI RANGE

- DOULBE-CHECKED COMPRESSION TESTER OPERATION BY **TESTING CYLINDER #6**

- TESTER WORKED FINE

- BORESCOPED CYLINDER #4 THROUGH THE COMBUSTION

- NOTED A SMALL TORCH MARK ON THE EXHAUST MANIFOLD

SIDE EXHAUST VALVE CONSULTED WITH MARTY

- HE WISHED TO CHANGE THE HEAD

TALKED TO PARTS DEPARTMENT

- DID NOT HAVE A HEAD IN FORT ST. JOHN, BUT DID

HAVE ONE IN EDMONTON

- MARTY WISHED TO BRING IN THE ONE FROM EDMONTON

- A HOTSHOT WAS ARRANGED AND THE HEAD WAS SENT

CHANGED EXHAUST BELLOWS

INSTALL EXHAUST BELLOW BLANKET

- START UNIT SO IT COULD RUN UNTIL THE HEAD
- ARRANGEMENTS WERE MADE TO COMPLETE THE JOB - DON ADVISED NOT CONTINUING TO WORK AND OTHER
- TRAVEL FROM JOBSITE BACK TO FORT ST. JOHN
- 01/05/03 SAM ---
- CALLED OUT TO GO TO LADYERN
- TRAVEL TO SHOP
- LOAD TOOLING AND PARTS
- START TRAVELING TO JOBSITE, BUT HALF WAY TO THE
- SITE, GOT CALL TO HOLD OFF UNTIL MONDAY
- TRAVEL BACK
- 01/06/02 SAM & TIM --
- TRAVEL FROM FORT ST. JOHN TO JOBSITE
- CHECK UNIT K-400 FOR OPEN IGNITION ON #3
- ACCORDING TO MARTY
- UNLOAD TOOLING AND PARTS
- DRAIN COOLANT
- REMOVE CYLINDER HEAD
- CLEAN SURFACES
- CLEAN NEW HEAD
- INSTALL NEW FIRE RING
- CLEAN TOOL MARK FROM WHERE SURFACING TOOL FOR FIRE RING AREA
- INSTALLED ALL NEW O-RINGS
- INSTALL HEAD WITH 5800 PSI
- TORQUE HEAD STUDS TO 85 FT/LBS
- CLEAN PRE-CHAMBER AND INSTALL
- TORQUE BOLTS TO 55 FT/LBS
- DISMANTLE AND CLEAN CHECK VALVE
- INSTALL NEW O-RING AND SEAL WASHER
- SET VALVES AND GAVS
- INSTALL COOLANT PIPES
- HAD TO RE-USE TWO O-RINGS ON PIPES AS WE NEED
- FOUR AND ONLY TWO ARE SHIPPED WITH GASKET SET
- INSTALLED NEW PYROMETER ADAPTER FROM TRUCK STOCK
- INSTALLED PYRO LEAD AND COMBUSTION PROBE FROM - INSTALLED SPARK PLUG FROM TRUCK STOCK
- CUSTOMER STOCK - RE-FILLED COOLANT
- START AND WARM ENGINE
- LOAD ENGINE
- 600 RPM WHEN GOVERNOR CONTROL IS PUT INTO AUTO - NOTICED CUSTOMER'S PANEL DROPS RPM BACK TO
- KEEP RPM AT 850 - MARTY IS GOING TO SEE IF HE CAN RE-PROGRAM TO
- ENGINE WILL PERFORM BETTER AND LOAD IN A MORE

N)		0		0	0	
2545000		0865800	0865800	0865800	0865800	
23-Aug-01		21-Sep-01	05-Nov-01	24-Dec-01	21-Jan-02	
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3612001 - 01 3612001 - 83		3715379 - 52	3715379 - 50	3715963 - 01 3715963 - 02	3716281 - 01	
83		- 52	- 50	-01	9	
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	•			1 0	φ	
SRFFP36		WTYPE37	WTYPE12			
SRFFL36		WTYPE37	WTYPE12			
.36						
SRFFM36	WO	WTYPE37	WTYPE12	wo	wo.	
69	WO Total:	YPE37 WO Total:	WO Total: /PE12	WO Total:	WO Total:	
7,833.00 REPAIR TURBOCHARGER 7,833.00 BRANCH 83 TO REPAIR TURBOCHARGER PLEASE SUPPLY QUOTE TO ROLAND DIEHL RFR: 83-96165 OPENED AS PER CASEY	REPAIR ENGINE SURGING -REPAORT OF ENGINE SURGE AT 850 RPMFOUND FUEL PRESSURE TO MAIN SCRUBBER AT 150 PSI. THIS IS THE MAXIMUM THAT THE FISHER REGULATOR WILL HANDLE AND ANY SPIKES WOULD BYPASS THE REGULATORADJUSTED FUEL PRESSURE AT BIG JOE REGULATOR TO 120 PSI. UNIT SURGE GONE. *** THIS IS NOT CAT WARRANTY *** 597.76	(CUSTOMER INSTALLED) 4.70 - MEALS 2,048.27 597.76 -TRAVEL AND MILEAGE	17,695.50 1,894.69 -TRAVEL AND MILEAGE -REPAIR HYDRAX LEAK AT WASTEGATE ACTUATOR 148.88 -SLIPPLY HYDRAX PRESSLIPE SWITCH	3,194.85 4,903.69 -TRAVEL AND MILEAGE TO HAMBURG SITE 12,791.81 -REPAIR/REPLACE EXHAUST BELLOWS (PACKAGER SUPPLIED PART-NON CAT) -REPLACE DAMAGED EXHAUST BLANKET -CUSTOMER CHARGES FOR WARRANTY NOT COVERED BY CAT	20,702.35 3,194.85 -TRAVEL AND MILEAGE -REPAIR HYDRAX SYSTEM PROBLEM	TROUBLE-FREE MANNER - CLEAN UP TOOLS AND AREA - SET BURN TIMES - CHECK PYROS - GOOD. ALL 528-560 (#6 AT 560) - BTU MOVED FROM 870 TO 890 SAFETY ASPECTS ————————————————————————————————————

460.76	WO Total:									
222.63 INSTALL HYDRAX LINE UP DATE	WTYPE12	WTYPE12	WTYPE12	1307	C 595	22	7312319 - 02			
238.13 TRAVEL TIME AND MILEAGE	WTYPE12	WTYPE12	WTYPE12	1000	C 756	2	7312319 - 01	0	17-Nov-00	5777500
8,007.00 PERFORM ENGINE COMMISSIONING AND TRAVEL 18,958.54	EPONCAW WO Total:	EPONCAW	EPONCAW	7590	C 540	17	3714577 - 47			
6,150.95 -TRAVEL TIME AND LABOUR FOR BRANCH 46 ENGINE COMMISSIONING.	SRBVM46	SRBVL46	SRBVP46	1000	C 051		3714577 - 46			
4,800.59 -CUSTOMER RELATED CHARGES/DELAYS.				1000	C 023		3714577 - 02	31	21-Aug-01	0865800
15,666.00	WO Total:									
CLOSED AUG 30.01 CT										
08.23.01 CT										
PLEASE QUOTE										
REPAIR 2 TURBOS										
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