



PALLISER SALES
 FORMERLY HORIZON IMPLEMENTS LTD.
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 TABER, AB T1G 2B1
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 GST#: 893779397



Invoice #	TAB-204986	PO#	
Date	8/1/2022	Terms	PAID
Time	16:20	Due Date	8/1/2022

RO#	TAB-25416		
RO Date	8/1/2022		
Miles	In	0.0	Out 0.0
Hours	In	850.2	Out 850.0
Service Writer	BRETT LUEHR		
Stock#	(14839) 5705		
Serial#	C0965VKNNG1001		
Yr Make Model	2019 CHALLENGER MT965E		
Description	TRACTOR		
License			
Fleet#			
In Service Date	[REDACTED]		



Service Invoice

Customer

Memo

Customer Service Issue # 1

Com: ENGINE KNOCK
 Cause: SPUN A BEARING ON THE CENNECTING ROD
 Fix: DROVE OUT TO CUSTOMER
 CHECKED ENGINE OIL LEVEL
 WAS AT THE UPPER END OF THE LEVEL INDICATOR
 SMELLED IT
 DIDN'T SMELL LIKE DIESEL
 INSTRUCTED CUSTOMER TO BRING UNIT BACK TO SHOP
 MADE A TECH CONNECT 3288514
 PERFORMED A SINGLE TEST THROUGH EDT
 DID NOT SHOW MUCH OF WHERE IT WAS KNOCKING
 REMOVED DUALS
 BACKED UNIT INTO THE SHOP
 REMOVED THE HOOD AND ALL OTHER PANELS
 REMOVED INTAKE COMPONENTS
 REMOVED DOC
 BEGAN REMOVING THE TURBOS AND EGR COMPONENTS
 REMOVED THE VALVE COVERS
 DID NOT SEE ANYTHING
 REMOVED THE EXHAUST MANIFOLD
 FOUND THAT THERE WAS MOISTURE BUILD UP IN CERTAIN CYLINDERS
 SUSPECTED A WASHED OUT CYLINDER
 REMOVED BOTH REAR HEADSFOUND THAT TWO CYLINDERS THAT ARE RIGHT BESIDE EACHOTHER HAD WAY TOO MUCH PLAY
 AT THIS POINT, ENGINE WAS REMOVED
 THE OIL PAN WAS REMOVED
 AT THIS TIME WE COULD SEE THE METAL SHAVINGS IN THE BOTTOM OF THE OIL PAN
 ANOTHER TECH CONNECT WAS MADE DUE TO THE OTHER ONE BEING CLOSED 3398341
 INFORMED THAT THERE WAS SHAVINGS THROUGH THE ENTIRE ENGINE AND MOST LIKELY THE TURBOS AS WELL
 A NEW ENGINE WAS ORDERED IN DECEMBER
 ENGINE SHOWED UP
 MOVED CERTAIN COMPONENTS FROM OLD ENGINE TO THE NEW ONE
 WHILE NEW ENGINE WAS IN THE AIR
 SWITCHED THE MOUNTS OVER
 PLACED ENGINE INTO FRAME
 REATTACHED DOC AND INTAKE COMPONENTS
 FILLED ENGINE OIL
 RAN THROUGH THE THE ENGINE SETUP

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Customer Name	Invoice#	RO#	Date
PALLISER SALES TABER (SALES DEPT.)	204986	25416	08/01/2022

CHANGED OUT FUEL FILTERS DUE TO ONE BEING DENTED FROM FACTORY
 PRIMED THE FUEL SYSTEM
 ENGINE RAN
 FILLED WITH COOLANT
 RAN THE ENGINE WITH EVERYTHING HOOKED UP
 FOUND THERE TO BE NO LEAKS
 FOUND THERE TO BE DEF PUMP CODES
 NEW LINE WAS MADE FOR SEPARATE WORK ORDER
 INSTALLED PANELS AND HOOD
 RAN THROUGH EVERYTHING AGAIN
 INSTALLED DUALS

Note:

Mech	Type	Description	Total
4433	Labor	SHOP LABOR	129.2668
12859	Labor	SHOP LABOR	2.4000
12559	Labor	SHOP LABOR	4.5167
4433	Labor	FIELD LABOR	2.4833
	Item	865677819U	1.0000
	Core Chrg.	865677819U	1.0000
	Item	V837091117	1.0000
	Misc.	ENVIRONMENTAL FILTER LEVY	1.0000
	Item	CH9W-9930	1.0000
	Item	565825D1	1.0000
	Misc.	ENVIRONMENTAL FILTER LEVY	1.0000
	Item	565824D1	1.0000
	Misc.	ENVIRONMENTAL FILTER LEVY	1.0000
	Item	5W40	58.5000
	Misc.	ENVIRONMENTAL OIL LEVY	58.5000
	Item	V837091140	1.0000
	Item	ANTIFREEZE	65.0000
	Misc.	WARRANTY CREDIT	-1.0000
	Misc.	MSC	1.0000
	Core Ret.	865677819U-AGC	-1.0000

Subtotal