

PALLISER SALES

FORMERLY HORIZON IMPLEMENTS LTD. 5800 46th AVE. TABER, AB T1G 2B1

PHONE: (403) 223-8928 FAX: (403) 223-1671 TOLL FREE: 1-888-227-8928 GST#: 893779397



RO# TAB-25416



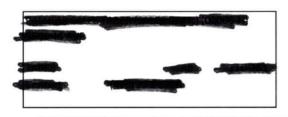


Invoice # TAB-204986

Date 8/1/2022

Time 16:20

PO#	
Terms	PAID
Due Date	8/1/2022



Service Invoice

Customer

RO Date	8/1/2	2022		
Miles	In	0.0	Out	0.0
Hours	In	850.2	Out	850.0
Service Writer	BRET	LUEHR		
9	stock#	(14839)	5705	
Serial#		C0965VKNNG1001		
Yr Make Model		2019 CHALLENGER MT965E		
Description		TRACTOR		
L	icense			
	Fleet#			
In Service Date				

Customer Service Issue # 1

Com: ENGINE KNOCK

Memo

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	Туре		Description		Total
4433	Labor	SHOP LABOR	SHOP LABOR	129.2668	
12859	Labor	SHOP LABOR	SHOP LABOR	2.4000	1,000
12559	Labor	SHOP LABOR	SHOP LABOR	4.5167	S. STATE OF THE PARTY OF
4433	Labor	FIELD LABOR	FIELD LABOR	2.4833	
	Item	865677819U	REMAN ENGINE-168 AWF W/O	1.0000	- Comment of
	Core Chrg.	865677819U	REMAN ENGINE-168 AWF W/O (Core Charge)	1.0000	
	Item	V837091117	FUEL FILTER KIT	1.0000	-
	Misc.	ENVIRONMENTAL FILTER LEVY		1.0000	
	Item	CH9W-9930	INSULATION	1.0000	
	Item	565825D1	AIR FITR.ELEMENT	1.0000	223234
	Misc.	ENVIRONMENTAL FILTER LEVY		1.0000	-
	Item	565824D1	AIR FITR.ELEMENT	1.0000	\$ 102.00k
	Misc.	ENVIRONMENTAL FILTER LEVY		1.0000	_
	Item	5W40	5W-40 ENGINE OIL	58.5000	Section 1
	Misc.	ENVIRONMENTAL OIL LEVY		58.5000	
	Item	V837091140	ECU KIT	1.0000	
Item Misc.	Item	ANTIFREEZE	ANTIFREEZE	65.0000	-
	Misc.	WARRANTY CREDIT		-1.0000	Contract of the last
	Misc.	MSC	SHOP SUPPLIES	1.0000	2500.00
Cor	Core Ret.	865677819U-AGC	REMAN ENGINE-168 AWF W/O (Core Return)	-1.0000	

Subtotal

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Page 2 of 2 Pages