



**SUPREME  
DIESEL**

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**Invoice**

Bill To Sundown Oilfield Services Ltd.  
Box 3013  
Clairmont, AB T8X 0T8  
Canada

Business (780) 567-3053  
Business Fax (780) 567-3058  
Email ap@sundownoilfield.ca

Plate AB A-63920  
VIN 3C7WRNFLXJG383055  
Unit 81

Invoice # 17282  
Work Order # 26167  
Purchase Order # 48966  
Invoice Date 10/3/2024 10:49 AM  
Appointment 9/18/2024 1:17 PM  
Service Advisor Pamela  
Technician TE

Description White 2018 Ram 5500 Base L6 6.7L 408CID VIN  
L  
Odometer 239,785

**Concern**

**Cylinder Head Concern (Valve Cover & Head Gasket, Valves, Lifters, Push Rods & Rocker Arms)**

Labor to boost truck and bring into shop. Perform visual inspection of engine bay. 1 Hours \$159.00 / Hours \$159.00 \*EG

Noted- batteries dead and had to be boosted after been dropped off by customer.  
Inspect for excessive cooling system pressure- present and signs of coolant pushing out cooling overflow bottle. Perform roadtest. re-inspect vehicle- found excessive pressure present, coolant pushed out of overflow bottle. upper radiator hose is swollen- suspect inner layers are separating and damaged hose.

Recommend remove cylinder head and inspect for cracks. And quote accordingly.  
Recommend replace upper Rad Hose.  
Recommend further testing of battery, charging system.

**Sub \$159.00**

**Battery Concern**

Labor to check into battery concern, charging and starting system. Possible parasitic Draw on batteries. Need to further see and inspect. 1.5 Hour \$159.00 / Hour \$238.50 \*EG

Charge batteries while performing head gasket replacement. With batteries fully charged- isolate both batteries and carbon pile test both individually- Passed tests. Reconnect batteries to vehicle. and perform parasitic battery draw test. Begin inspecting for battery draw- and observed a draw of .547amps- too high of a draw. was able to pinpoint fuse tap in fuse box that was drawing the power- with item disconnected battery draw drops to .013amps- well within specifications. battery draw is from accessory wired into truck. Likely no issues or faults if truck is operated everyday. Might have issues with vehicle sitting for extended period of time. Repair complete at this time.

**Sub \$238.50**

**Service**

**Cylinder Head Gasket(s)**

Remove and Replace components as required to access and install materials, and/or perform needed service, adjustments as required. Additional fluids may be required to complete this service. Retest and verify repair as required. Perform final road test where applicable.

Labor to remove all required components and parts to perform repairs. With everything removed inspect head gasket, inspect cylinder head. Found 2 exhaust valve seats 15 Hour \$159.00 / Hour \$2,385.00 \*EG

cracked towards injector nozzles. 1 intake valve seat cracked. Requires cylinder head replacement.

Assemble/ dress new replacement cylinder head. Clean grid heater studs- tig weld nut to stud to prevent any future issues. Replaced heater core elbow from cylinder head to heater core. Clean all parts and begin assembly work. torque head studs, perform hot retorque procedure. Finish install of all remaining parts. New upper radiator hose installed. Replaced crankcase filter. Truck runs and roadtest OK. No issues or faults found or observed.

fpe-61-10007 - 6.7 CUMMINS CYLINDER 07.5-18 HEAD****973.00 CORE CHARGE -SERIAL NUMBER-477723- Found crack in cylinder head- possibly will NOT get the core charge back CUSTOMER WILL KEEP HIS CORE. NO CORE TO SEND BACK * Includes \$973.00 core charge. / Core not returned.	1 Unit	\$3,000.00 / Unit	\$3,973.00 G
247-4202 - ARP HEAD STUD SET 1998.5+ DODGE 5.9L/6.7L/24V CUMMINS	1 Unit	\$995.00 / Unit	\$995.00 G
HS54774-4 - Dodge cylinder head gasket set 07.5-15 ( includes upper valve cover gaskt and wiring harness	1 Unit	\$835.00 / Unit	\$835.00 G
5292744 - Thermostat 03-19 Dodge Cummins 6.7/5.9	1 Unit	\$179.22 / Unit	\$179.22 G
ANTI 50/50 - ANTIFREEZE 50/50 Delo ELC Red Drum Embittered	24 Litre	\$5.18 / Litre	\$124.32 G
ADDED ITEMS TO QUOTE/ REPAIR	0 Hours	\$159.00 / Hours	\$0.00 *EG
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904-418 - Crankcase Ventilation Filter CCV 07.5-22 Dodge ram 6.7 Price reflects a price reduction of \$14.16 from the standard price of \$223.20	1 Unit	\$209.04 / Unit	\$209.04 G
800-416 - Heater Hose Connector	1 Unit	\$33.87 / Unit	\$33.87 G
72904 - Upper Radiator Hose	1 Unit	\$42.46 / Unit	\$42.46 G
		<b>Sub</b>	<b>\$8,776.91</b>

**Lube, Oil & Filter Service - Diesel**

Drain and refill engine oil, change engine oil filter and lubricate chassis grease fittings and friction points as required. Check and top off fluid levels, additional charges may apply where fluids are required. Complete a complimentary visual vehicle inspection.

Labor to perform oil change and oil filter replacement. Reset oil life indicator. Repairs Complete	0.5 Hour	\$159.00 / Hour	\$79.50 *EG
BT7349 / 57620 - Spin on oil filter SAME AS 57620	1 Unit	\$17.35 / Unit	\$17.35 G
15W40 Oil C - 15W40 Oil Engine Conventional Chevron Delo 400 SDE	13 Litre	\$10.34 / Litre	\$134.42 G
		<b>Sub</b>	<b>\$231.27</b>

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Total Before Taxes & Miscellaneous Charges		\$9,405.68
(*) Shop Supplies		\$110.00 G
(E) Environmental Fee		\$10.00 G
(G) Canadian Goods and Services Tax (GST)	5 %	\$476.28
<b>Grand Total</b>		<b>\$10,001.96</b>

Thanks for the business!

I acknowledge receipt of the vehicle and the indebtedness indicated herein. I acknowledge that I am responsible to Retorque the vehicle's wheel nuts at 50 km after this service.

Customer Signature: \_\_\_\_\_

Sundown Oilfield Services Ltd. (R) charged \$10,001.96 to Account - Sundown Oilfield Services Ltd. (R) - Net 30 Days

**Authorization(s)**

9/18/2024 1:18 PM      \$14,954.88      In Person / Other  
Cylinder Head Concern (Valve Cover & Head Gasket, Valves, Lifters, Push Rods & Rocker Arms)  
Cylinder Head Gasket(s)