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FC-R-2017-26

CUMBERLAND FIRE DISTRICT

Resolution

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RESOLUTION: Authorizing the Finance Director to pay Ralco Equipment Co, Inc. an amount not to exceed \$9,108.45.

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WHEREAS: Ralco Equipment Co, Inc. was contracted to make repairs to Truck 1-2000 KME Aerial.

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WHEREAS: All repairs have been made with the approval of the Chief.

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NOW, THEREFORE, BE IT RESOLVED BY THE CUMBERLAND FIRE DISTRICT AS FOLLOWS:

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RESOLVED: The Finance Director is authorized to pay Ralco Equipment Company, Inc, an amount not to exceed \$9,108.45.

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Voted on this 28th day of September, 2017

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Cynthia Ouellette, Chairperson

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PASSED:
YAY: 6 NAY: 0



Kenneth A. Finlay
Chief of Department
kfinlay@cumberlandfire.org

CUMBERLAND FIRE DISTRICT

Headquarters Station Four
3502 Mendon Road • Cumberland, RI 02864
Phone: 401-658-0544 Fax: 401-658-2198
www.cumberlandfire.org

Board of Fire Commissioners
3502 Mendon Road
Cumberland, RI02864
September 14, 2017

Re: Truck 1-2000 KME Aerial

Honorable Board:

Truck 1, the 2000 KME Aerial, currently in service, is in need of a head gasket. This is a major job, but I feel repairing, seeing we will be using the vehicle as a reserve truck. Ralco has issued a bid to repair the head gasket at \$9108.45, and I ask for approval for the repair.

Sincerely,

Chief Kenneth A. Finlay
Cumberland Fire Department

Ralco Equipment Company, Inc

51 Ralco Way/PO Box 35
Cumberland, Rhode Island. 02864-0035
Phone: 401-726-3095 Fax: 401-726-6950
We do the job once and we do it right!

ESTIMATE#

016055

RI Inspect Station 155C
ralcotruck45@verizon.net

Estimate **Date** : 9/1/2017

Estimate for Services

Cumberland Fire Department - Chief Finlay 3502 Mendon Road Cumberland, RI 02864 Office: 401-658-0544 Cellular: 401-474-0314 Fin	2000 KME - KME Fire Appartus Tandem Axle - ISM 450 HP Ci Lie# : 690 - RI Odom. In: 0 Unit# : Truck 1 VIN#: 1K9AF648X YN058211
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Part Description / Number	Qty	Sale	Ext	Labor Description	Hours	Extended
Steam Soap 51650	3.00	9.82	29.46	Excessive white smoke on start up in the morning. Customer has added 7-9 gallons of coolant over a two week period. Pressurize complete cooling system. Remove intake hose and clamps. Remove intake manifold and inspect for signs of coolant. Rotate engine and recheck under pressure, no coolant signs. Remove air filter, intake hoses, turbo lines, and exhaust. Check for signs of coolant in turbo or exhaust pipes while rotating engine and under pressure, none. Remove turbo assembly. Remove exhaust manifold and all retainers. Recheck intake and exhaust visually and with video scope with coolant system under pressure and rotating engine. Found valve seals leaking oil but still no coolant signs. Remove cold water heater lines and check for coolant contamination with coolant system under pressure, none found. Remove air compressor discharge line and check for signs of coolant under pressure, none found. Remove valve cover assy and check for signs of coolant, none found. ROTate engine and check for leakage at injector sleeves, none found. Drain engine oil and remove oil pan. Rotate engine with coolant under pressure and check cylinder liners, oil cooler passage and related for signs of coolant, none found. contact OEM to consult and found that with all of the above steps we believe we have eliminated all coolant entry points other than the cylinder head itself. OEM agrees. At this point we recommend replacement of the cylinder head with an OEM reman unit. Remove and replace cylinder head Perform all necessary OEM procedures during repairs. Remove and replace cylinder head with OEM reman unit. Replace all related gaskets, seals, hardware with OEM components. Reassemble engine and all removed components replacing hardware, gaskets seals. Perform complete engine service. Top off all fluids and bleed all systems of air. Run unit once complete and verify all repairs. Labor Charge for above repairs and diagnostics Normal Shop Labor is 108.50, per usual CUMberFire receives discounted rate of 98.50/hour. Estimate is for 42.50 hours at the discounted rate. Cylinder head and parts are one day away so if approved we can get on this repair immediately. Environmental Fee	0.00	
Surf Cond Disc Alum 7513	5.00	8.81	44.05			
Sandpaper 02175	7.00	2.29	16.03			
Solvent Flush Cleaner 2096SC49	2.00	13.59	27.18			
OEM Upper Gasket Set 4089478	1.00	459.24	459.24			
OEM Reman Cyl Head Assy 2864028RX	1.00	2,485.48	2,485.48			
H Tmp Sealer 3036149	1.00	29.44	29.44			
Injector O-Ring Kit 29000346	6.00	19.62	117.72			
Rocker Box Gasket Assy 4070529	1.00	102.78	102.78			
Brass St Comp Fitting 38MPS38COM	1.00	8.97	8.97			
Silicone Sealer 81878	1.00	17.88	17.88			
Exh Flange Gasket 4072315	6.00	8.43	50.58			
Metal Support Spacer 3818124	12.00	14.25	171.00			
Retainer Bolt 4965698	12.00	7.48	89.76			
Turbo Stud 3095798	2.00	7.21	14.42			
Turbo Stud 381823	2.00	6.09	12.18			
Turbo Mnt Nut 3818624	4.00	3.76	15.04			
Surf Cond Disc 7485	4.00	6.97	27.88			
Exh Turbo Fig Pipe 120-26584	1.00	49.63	49.63			
SS T-Bar Clamp 121-03947	1.00	26.41	26.41			
SS Flex Pipe 40023	2.00	49.23	98.46			

Ralco Equipment Company, Inc
 51 Ralco Way/PO Box 35
 Cumberland, Rhode Island. 02864-0035
 Phone: 401-726-3095 Fax: 401-726-6950
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ESTIMATE#

016055

RI Inspect Station 155C
 ralcotruck45@verizon.net
 Estimate Date : 9/1/2017

Estimate for Services

Cumberland Fire Department - Chief Finlay 3502 Mendon Road Cumberland, RI 02864 Office: 401-658-0544 Cellular: 401-474-0314 Fin	2000 KME - KME Fire Appartus Tandem Axle - ISM 450 HP C1 Lie#: 690 - RI Unit# : Truck 1 VIN#: 1K9AF648X YN058211 Odom. In: 0
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Part Description / Number	Qty	Sale	Ext	Labor Description	Hours	Extended
SS Molded Seal Clamp <i>FC500SS</i>	2.00	31.31	62.62			
Coolant Regulator <i>4318947</i>	1.00	55.72	55.72			
SS T Bar CT Clamp <i>TB200</i>	2.00	13.59	27.18			
HOSE CLAMP <i>9228</i>	3.00	4.62	13.86			
SS T Bar CT Clamp <i>TB 275</i>	3.00	15.91	47.73			
EX Life Coolant, Green <i>AF3000</i>	12.00	8.82	105.84			
SS Dressing Wheel <i>290664</i>	1.00	15.77	15.77			
Gray Sealer <i>82194</i>	2.00	13.06	26.12			
Oil Pan Gasket <i>5394102</i>	1.00	44.76	44.76			
Seal Ring <i>3032746</i>	1.00	6.73	6.73			
OIL FILTER <i>BO7154</i>	1.00	89.68	89.68			
ENGINE OIL <i>15W40</i>	44.00	6.91	304.04			
Coolant Filter <i>B5134</i>	1.00	32.76	32.76			
FUEL FILTER <i>BF1259</i>	1.00	39.72	39.72			
Rubber Wrap Insul <i>316253RWI</i>	3.00	3.41	10.23			
PROTECTIVE SPLIT LOOM <i>5-032</i>	8.00	2.26	18.08			
VINYL INSUL CLAMP <i>2575/C</i>	3.00	2.84	8.52			
RETAINER <i>1032RS</i>	3.00	1.55	4.65			
Blow By Flex Hose <i>6200429</i>	1.00	24.70	24.70			
Retainer Clamp <i>1421355</i>	1.00	5.89	5.89			
Cummins Titanium ENG Paint <i>3824514</i>	3.00	19.37	58.11			
Shop Supplies			9.95			

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Part Description / Number	Qty	Sale	Ext	Labor Description	Hours	Extended
				<p>[Recommendations] Steer axle spring hangers, rear worn and need replacement.</p>		

Parts/Supplies: 4,906.25 Labor: 4,186.25 Total: \$9,108.45

I hereby authorize the above repair work to be done along with the necessary material and hereby grant you and/or your employees permission to operate the vehicle described for testing and/or inspection. Express mechanic's lien is hereby acknowledged on above vehicle to secure the amount of repairs thereto.
 TEARDOWN ESTIMATE: I understand that my vehicle will be reassembled within ___ days of the date shown above if I choose not to authorize the service recommended. All Parts removed will be discarded unless instructed otherwise: Save all Parts___. NOT RESPONSIBLE FOR LOSS OR DAMAGE TO VEHICLE OR ARTICLES LEFT IN VEHICLE IN CASE OF FIRE, THEFT OR ANY OTHER CAUSE.

Signature _____ Date _____ Time _____