

Workorder Quote

EPCOR Order #: W0013282

Customer reference: HA 70760016

Quotation ID #: QUOB019363

Date Quote: 10/17/2023 11:29:02 AM

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EPCOR Info:

EPCOR B.V.
Bellsingel 41
1119 NT Schiphol-Rijk
The Netherlands
Phone: + 31 203161 730

Customer Info:

Vietnam Airlines JSC
414 NGUYEN VAN CU STR.
LONGBIEN DIST.
HANOI,
Vietnam

Component information:

Description: GTCP131-9A
Part Number: 3800708-1
Serial Number: P-5464

PN	Description	Qty	Categor	Cost ea	Total cost estimate	Comment
Power section						
3888438-Repair	Branched Wiring Harness	1	RE	\$ 0.00	\$ 0.00	Test and repair if necessary
3844917-1	Retainer- Bearing, Roller	1	RE	\$ 594.00	\$ 594.00	
3827324-3	Support- Stationary Seal, Air	1	RE	\$ 854.00	\$ 854.00	
3827430-1	Support- Inlet Plenum	1	RE	\$ 946.00	\$ 946.00	
3810929-3	Duct- Fan Inlet	1	RE	\$ 954.00	\$ 954.00	
3827426-3	Housing- Bearing, Driven Compressor	1	RE	\$ 975.00	\$ 975.00	
3827426-3	Housing- Bearing, Driven Compressor	1	RE	\$ 1,130.00	\$ 1,130.00	
3844766-4	Case- Combuster	1	RE	\$ 2,960.00	\$ 2,960.00	
3844575-3	Shroud Segment- Turbine, First Stage	3	OH	\$ 985.00	\$ 2,955.00	
3844760-2	Nozzle Segment- Turbine, First Stage	1	OH	\$ 3,034.00	\$ 3,034.00	
3876287-1	Data Memory Module	1	OH	\$ 3,796.00	\$ 3,796.00	
3827152-3	Case- Centrifugal Compressor, Driven	1	OH	\$ 4,407.00	\$ 4,407.00	
3830416-1	Nozzle Fuel Injection	5	OH	\$ 1,153.00	\$ 5,765.00	
3810887-2	Housing Assembly- Inlet	1	OH	\$ 6,259.00	\$ 6,259.00	
3844864-1	Stator- Second Stage	1	OH	\$ 7,178.00	\$ 7,178.00	
3827429-1	Housing Assembly- Diffuser	1	OH	\$ 7,280.00	\$ 7,280.00	
2704506-4	Direct Current Motor	1	OH	\$ 8,216.00	\$ 8,216.00	
3844575-2	Shroud Segment- Turbine, First Stage	9	OH	\$ 955.00	\$ 8,595.00	
3883837-1	Manifold, Fuel, Secondary	1	OH	\$ 10,550.08	\$ 10,550.08	Installed OH instead of NE
3822666-2	Bearing Assmby Set, Ball Duplex, Matched	1	OH	\$ 11,798.00	\$ 11,798.00	

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3810919-002	Inlet Duct Assembly- Lower	1	OH	\$ 13,032.00	\$ 13,032.00	
3830461-6	Annular Combustion Chamber	1	OH	\$ 15,139.00	\$ 15,139.00	
3844923-1	Housing Assembly- Turbine Bearing	1	OH	\$ 19,159.00	\$ 19,159.00	
3844908-2	Support- Nozzle, First Stage	1	OH	\$ 22,279.31	\$ 22,279.31	Installed OH instead of NE
4131020-4	Lube Module	1	OH	\$ 34,411.00	\$ 34,411.00	
3844760-2	Nozzle Segment- Turbine, First Stage	10	OH	\$ 6,225.27	\$ 62,252.70	Installed OH instead of NE
AS3209-014	Packing	1	NE	\$ 0.12	\$ 0.12	
AS3208-07	Packing, Preformed Seal	1	NE	\$ 0.12	\$ 0.12	
M83248-1-906	O-Ring	1	NE	\$ 0.12	\$ 0.12	
AS3209-109	Gasket	1	NE	\$ 0.14	\$ 0.14	
AS3209-112	O-Ring	1	NE	\$ 0.15	\$ 0.15	
AS3208-04	Packing	2	NE	\$ 0.11	\$ 0.21	
AS3209-125	Packing, Preformed O Ring	1	NE	\$ 0.30	\$ 0.30	
MS24665-88	Pin, Cotter	16	NE	\$ 0.02	\$ 0.31	
AA55487-3	Hitch Pin	2	NE	\$ 0.19	\$ 0.37	
M83248-1-034	Packing	1	NE	\$ 0.39	\$ 0.39	
M25988-2-012	Packing	2	NE	\$ 0.20	\$ 0.39	
MS35769-11	Gasket	1	NE	\$ 0.40	\$ 0.40	
S8990-010	Packing	1	NE	\$ 0.42	\$ 0.42	
AS3209-132	Packing, Preformed O Ring	1	NE	\$ 0.44	\$ 0.44	
AS3209-138	Packing	1	NE	\$ 0.46	\$ 0.46	
S8990-605	Packing	1	NE	\$ 0.47	\$ 0.47	
AS3209-108	Packing	2	NE	\$ 0.25	\$ 0.49	
AS3209-137	Packing	1	NE	\$ 0.49	\$ 0.49	
AS3209-035	Packing	1	NE	\$ 0.52	\$ 0.52	
M25988-2-015	O-Ring	2	NE	\$ 0.30	\$ 0.60	
MS9556-11	Bolt Machine	1	NE	\$ 0.79	\$ 0.79	
S8990-015	Packing	2	NE	\$ 0.42	\$ 0.83	
MS35769-10	Gasket	1	NE	\$ 0.84	\$ 0.84	
AS3209-017	Packing	8	NE	\$ 0.13	\$ 1.01	

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NAS6703-9	Bolt	1	NE	\$ 1.08	\$ 1.08	
AS3209-143	Packing, Preformed O-Ring	2	NE	\$ 0.55	\$ 1.09	
M83248-1-139	Packing	2	NE	\$ 0.55	\$ 1.09	
M25988-2-218	Packing	1	NE	\$ 1.13	\$ 1.13	
M25988-2-036	Packing	1	NE	\$ 1.18	\$ 1.18	
M25988-2-011	O-Ring	10	NE	\$ 0.13	\$ 1.26	
AS3209-227	Packing	2	NE	\$ 0.65	\$ 1.30	
AS3209-013	Packing	2	NE	\$ 0.71	\$ 1.42	
MS9565-05	Bolt	2	NE	\$ 0.73	\$ 1.46	
MS51831-201L	Insert	1	NE	\$ 1.56	\$ 1.56	
MS35769-10	Gasket	2	NE	\$ 0.85	\$ 1.69	
AS3209-012	O-Ring, Preformed	3	NE	\$ 0.57	\$ 1.72	
MS9556-04	Bolt	1	NE	\$ 1.78	\$ 1.78	
MS51987-384	Pin	16	NE	\$ 0.12	\$ 1.86	
M25988-2-013	O-Ring	8	NE	\$ 0.23	\$ 1.86	
S8990-604	Packing	2	NE	\$ 0.96	\$ 1.92	
NAS1149C0432R	Flat Washer	7	NE	\$ 0.29	\$ 2.04	
362-509-9002	Gasket, Metal	1	NE	\$ 2.28	\$ 2.28	
NAS6704-9	Bolt	1	NE	\$ 2.43	\$ 2.43	
AS4824N06	Gasket	1	NE	\$ 2.63	\$ 2.63	
MS28773-04	Retainer	2	NE	\$ 1.36	\$ 2.72	
MS9556-07	Bolt	2	NE	\$ 1.37	\$ 2.74	
MS9489-14	Bolt- Bonding Post	4	NE	\$ 0.77	\$ 3.07	
AA55487-3	Hitch Pin	18	NE	\$ 0.18	\$ 3.32	
NAS1149C0432R	Flat Washer	12	NE	\$ 0.29	\$ 3.49	
AS3209-011	Packing	2	NE	\$ 1.78	\$ 3.55	
NAS620C10L	Washer Flat	24	NE	\$ 0.24	\$ 5.82	
S8990-011	Packing	7	NE	\$ 0.87	\$ 6.11	
M25988/2-904	O-Ring	2	NE	\$ 3.55	\$ 7.10	
MS9556-22	Bolt	1	NE	\$ 7.92	\$ 7.92	

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Power section						
MS35769-8	Gasket	2	NE	\$ 4.08	\$ 8.15	
NAS620C10	Washer Flat	1	NE	\$ 8.39	\$ 8.39	
NAS1149C0363R	Flat Washer	50	NE	\$ 0.21	\$ 10.67	
73563-42	Key Nut Lkg	1	NE	\$ 11.83	\$ 11.83	
S8990-153	Packing	1	NE	\$ 12.17	\$ 12.17	
MS9565-05	Bolt	18	NE	\$ 0.73	\$ 13.10	
3830351-1	Gasket, Fuel Nozzle	1	NE	\$ 14.07	\$ 14.07	
MS9386-171	Packing Prefmd	1	NE	\$ 16.65	\$ 16.65	
MS9556-16	Bolt- Machine, Double Hexagon	7	NE	\$ 2.66	\$ 18.60	
MS9557-08	Bolt	8	NE	\$ 2.74	\$ 21.88	
MS21043-4	Nut, Self-Locking	12	NE	\$ 1.85	\$ 22.23	
MS9386-277	Packing	1	NE	\$ 23.36	\$ 23.36	
MS9556-08	Bolt-Machine,.190-32, Double H	19	NE	\$ 1.25	\$ 23.77	
S9425-3	Nut	3	NE	\$ 9.02	\$ 27.06	Part of 1st Stage Stator Assy
MS9557-12	Bolt	9	NE	\$ 3.09	\$ 27.85	
S8990-724	Packing	1	NE	\$ 28.42	\$ 28.42	
3876237-1	Gasket Tc	2	NE	\$ 15.23	\$ 30.46	
S8990-179	Packing	1	NE	\$ 31.82	\$ 31.82	
MS21043-5	Nut Slf Lkg	21	NE	\$ 1.61	\$ 33.81	
3844705-2	Gasket Cov Aft Brg	1	NE	\$ 34.14	\$ 34.14	
3844707-2	Gasket Brg Turb Seal	1	NE	\$ 37.81	\$ 37.81	
AS1895/7-350	Seal	1	NE	\$ 45.63	\$ 45.63	
MS9489-06	Bolt, Machine	4	NE	\$ 11.52	\$ 46.06	
370-511-9015	Grommet	1	NE	\$ 48.50	\$ 48.50	
145-131-9010	Bolt Tnsn	6	NE	\$ 8.15	\$ 48.89	
145-131-9008	Bolt Tnsn	3	NE	\$ 16.39	\$ 49.18	
423-603-9031	Insert Screw Thd Key	3	NE	\$ 21.24	\$ 63.73	
370-511-9006	Grommet	1	NE	\$ 71.78	\$ 71.78	
352723-47	Washer Spring Cprsn	16	NE	\$ 4.90	\$ 78.38	
MS9556-05	Bolt Machine	47	NE	\$ 1.67	\$ 78.41	

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S9425-3	Nut	9	NE	\$ 9.02	\$ 81.19	
NAS1149C0332R	Flat Washer	60	NE	\$ 1.79	\$ 107.67	
MS9556-06	Bolt	54	NE	\$ 2.22	\$ 119.95	
3830351-1	Gasket, Fuel Nozzle	9	NE	\$ 14.07	\$ 126.59	
MS21043-3	Nut, Self-Locking	128	NE	\$ 1.13	\$ 144.03	
3844799-2	Bolt Special Ring	3	NE	\$ 63.79	\$ 191.36	Part of 1st Stage Stator Assy
AS1895/7-300	Seal	3	NE	\$ 64.56	\$ 193.69	
NAS1149C0563R	Flat Washer	21	NE	\$ 11.08	\$ 232.63	
3844592-6	Spacer Sleeve	3	NE	\$ 80.98	\$ 242.93	Part of 1st Stage Stator Assy
583-523-9005	Packing W/rtnr	21	NE	\$ 11.93	\$ 250.55	
3863152-2	Tube- Transfer	1	NE	\$ 275.48	\$ 275.48	3800708-49-8326
3840206-3	Seal Curvic	1	NE	\$ 309.01	\$ 309.01	
3840206-2	Seal Curvic	1	NE	\$ 315.01	\$ 315.01	
S9008AK168	Pin	3	NE	\$ 125.13	\$ 375.39	Part of 1st Stage Stator Assy
525-662-9006	Nut- Self-Locking, Captive Washer	21	NE	\$ 18.53	\$ 389.07	
525-662-9010	Nut- Self-Locking, Captive Washer	8	NE	\$ 60.14	\$ 481.12	
3886189-4	Packing Oil	1	NE	\$ 547.32	\$ 547.32	
583-523-9002	Packing With Retainer	50	NE	\$ 13.29	\$ 664.45	
3844244-8	Seal Feather	11	NE	\$ 60.77	\$ 668.48	Part of 1st Stage Stator Assy
3094540-1	Filter Elem Oil	2	NE	\$ 337.56	\$ 675.12	
2685336	Filter Fuel	1	NE	\$ 876.61	\$ 876.61	
3840199-1	Seal- Ring, Curvic	1	NE	\$ 905.14	\$ 905.14	
3617354-1	Gasket	1	NE	\$ 1,005.96	\$ 1,005.96	
MS9556-12	Bolt	32	NE	\$ 37.66	\$ 1,204.97	
3844599-2	Retainer Seal	1	NE	\$ 1,291.85	\$ 1,291.85	
3844244-6	Seal Feather	12	NE	\$ 108.64	\$ 1,303.68	
3844594-1	Seal Ring- Stator	1	NE	\$ 1,577.24	\$ 1,577.24	Part of 1st Stage Stator Assy
3844717-1	Blanket- Insulation Turbine Bearing, Forward	1	NE	\$ 1,597.75	\$ 1,597.75	

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Power section						
3810794-2	Gear Segment	6	NE	\$ 278.32	\$ 1,669.93	
3827608-3	Seal- Air/Oil, Stationary	1	NE	\$ 1,878.26	\$ 1,878.26	
3844588-1	Seal, Turbine	1	NE	\$ 2,031.00	\$ 2,031.00	
3830418-1	Shroud Air Fuel Nozzle	3	NE	\$ 793.09	\$ 2,379.27	
3810825-1	Rod End Assembly	1	NE	\$ 2,456.42	\$ 2,456.42	
3822635-3	Rotor Seal	1	NE	\$ 2,594.59	\$ 2,594.59	
305766-4	Plug- Igniter, High Voltage, Air Gap	1	NE	\$ 2,610.61	\$ 2,610.61	
3844775-1	Seal- Air Stationary	1	NE	\$ 3,513.65	\$ 3,513.65	
3844561-3	Seal- Turbine, Rear Bearing	1	NE	\$ 3,676.73	\$ 3,676.73	
3844861-6	Insulation Blanket Set- Thermal (Aft Side)	1	NE	\$ 3,809.86	\$ 3,809.86	
3880938-1	Element Fitr Oil	2	NE	\$ 2,465.14	\$ 4,930.27	
3844573-2	Ring- Support, Stator	1	NE	\$ 6,530.74	\$ 6,530.74	
3810808-3	Housing- Inlet Guide Vane	1	NE	\$ 11,462.28	\$ 11,462.28	
3840310-4	Turbine Rotor Assembly- First Stage	1	NE	\$ 116,538.98	\$ 116,538.98	
3827426-3	Housing- Bearing, Driven Compressor	1	MOD	\$ 1,789.00	\$ 1,789.00	SB 131-49-8245
Total Power section					\$ 439,620.72	

Gearbox

3863426-3	Housing Assembly Set- Gearbox, Matched	1	RE	\$ 1,891.00	\$ 1,891.00	
M83248-1-906	O-Ring	1	NE	\$ 0.12	\$ 0.12	
AS3209-123	Gasket	1	NE	\$ 0.22	\$ 0.22	
AS3208-07	Packing, Preformed Seal	2	NE	\$ 0.12	\$ 0.23	
AS3209-112	O-Ring	2	NE	\$ 0.15	\$ 0.29	
AS3209-125	Packing, Preformed O Ring	1	NE	\$ 0.30	\$ 0.30	
AS3209-108	Packing	2	NE	\$ 0.25	\$ 0.49	
AS3209-143	Packing, Preformed O-Ring	1	NE	\$ 0.54	\$ 0.54	
NAS620C416L	Washer Flat	3	NE	\$ 0.24	\$ 0.73	
MS9556-16	Bolt- Machine, Double Hexagon	1	NE	\$ 2.66	\$ 2.66	
MS9489-14	Bolt- Bonding Post	4	NE	\$ 0.77	\$ 3.07	

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Gearbox						
MS9489-07	Bolt, Hex	1	NE	\$ 3.29	\$ 3.29	
AS3209-011	Packing	2	NE	\$ 1.78	\$ 3.55	
AS3208-08	Packing	1	NE	\$ 3.78	\$ 3.78	
NAS620C10L	Washer Flat	18	NE	\$ 0.24	\$ 4.37	
AS3209-022	Packing, Preformed O Ring	1	NE	\$ 4.78	\$ 4.78	
MS9556-08	Bolt-Machine,.190-32, Double H	4	NE	\$ 1.25	\$ 5.01	
MS9557-09	Bolt	4	NE	\$ 2.42	\$ 9.66	
AS3209-151	Packing	1	NE	\$ 12.80	\$ 12.80	
MS9556-14	Bolt	8	NE	\$ 2.71	\$ 21.65	
561-518-9003	Packing	1	NE	\$ 23.38	\$ 23.38	
MS9489-05	Bolt, Machine	8	NE	\$ 4.49	\$ 35.93	
3860830-1	Disk Seal Oil Rotor	1	NE	\$ 663.00	\$ 663.00	
3860831-1	Bearing Ball Anlr	2	NE	\$ 545.71	\$ 1,091.42	
3863104-1	Seal- Air/Oil, Stationary	1	NE	\$ 1,379.28	\$ 1,379.28	
3860533-1	Bearing	2	NE	\$ 1,168.85	\$ 2,337.70	
3860853-1	Bearing Ball Anlr	2	NE	\$ 1,615.05	\$ 3,230.10	
3884736-1	Bearing Ball Anlr	2	NE	\$ 2,061.25	\$ 4,122.50	
Total Gearbox					\$ 14,851.85	

NTE exclusions

3291432-1	Load Control Valve (3.5 IN. DIA)	Exclusion	1	NE	\$ 0.00	\$ 0.00	Missing -> APU will be certified without this part
3617300-2	Adapter- Fuel Control Unit	Exclusion	1	NE	\$ 0.00	\$ 0.00	Missing -> APU will be certified without this part
3876271-1	Thermocouple- Exhaust Gas Temperature	Exclusion	1	NE	\$ 2,673.13	\$ 2,673.13	DOD
3840165-9	Turbine Wheel- Second Stage	Exclusion	1	NE	\$ 123,995.79	\$ 123,995.79	3800708-49-8254 DOD
Total NTE exclusions					\$ 126,668.92		

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Included in NTE:

Total Power section	\$	439,620.72
Total Gearbox	\$	14,851.85
Total Fixed Labor	\$	9,230.00
Repair price	\$	463,702.57

NTE Correction	\$	-113,605.57
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Total Repair Cost Estimate:

NTE	\$	350,097.00
Total NTE exclusions	\$	126,668.92

Net amount	\$	476,765.92
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EPCOR Terms and Conditions of Sale for Overhaul & Repair shall apply to any resultant orders, in lieu of any other term and conditions. All replacement parts will be either new or serviceable and OEM or EASA/FAA approved.

Name:

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