**Queries/Reports**

**Coog Tech Solutions**

**3/25/21**

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# Mustafa Al-Kishtainy

# Brandon Crisp

# Jahidul Islam

# Giancarlos Jaen

# Kyle Johnson

# Zach Kurtubi

# Madalyn Peden

**Report Name:** Business Customers Report

**Report Description:** Display customers that are associated with a business, rather than individuals.

**Business Purpose:** Pulling just the business customers from Herrera Fabricating Inc.’s database would give the company a better understanding of just how much B2B work they are doing, and potentially adjust costs or service schedules accordingly.

**SQL CODE:**

USE CoogTechSolutions

DECLARE

@business BIT

SELECT @business = 1

SELECT

Customer.CUSTOMER\_ID AS 'Customer ID',

Customer.C\_LNAME AS 'Customer Last Name',

Customer.C\_FNAME AS 'Customer First Name',

Customer.C\_BUSINESS\_NAME AS 'Customer Business Name',

Customer\_Type.IS\_BUSINESS AS 'Is Business',

Customer\_Order.SERVICE\_ORDER\_ID AS 'Service Order ID',

Customer\_Vehicle.V\_VIN AS 'Vehicle Identification Number'

FROM CUSTOMER

JOIN CUSTOMER\_TYPE ON Customer.CUSTOMER\_ID = Customer\_Type.CUSTOMER\_ID

JOIN CUSTOMER\_VEHICLE ON Customer.CUSTOMER\_ID = Customer\_Vehicle.CUSTOMER\_ID

JOIN CUSTOMER\_ORDER ON Customer.CUSTOMER\_ID = Customer\_Order.CUSTOMER\_ID

JOIN CUSTOMER\_CONTACT\_INFO ON Customer.CUSTOMER\_ID = CUSTOMER\_CONTACT\_INFO.CUSTOMER\_ID

WHERE Customer\_Type.IS\_BUSINESS = @business

ORDER BY Customer.CUSTOMER\_ID;

**Report/Query Results:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Customer Last Name | Customer First Name | Customer Business Name | Is Business | Service Order ID | Vehicle Identification Number |
| American | Best | Best American | 1 | 1 | 3N1CN7AP7FL826328 |
| Cowgirl | NULL | Cowgirl Trucking | 1 | 2 | 3GTU2VEC3EG428370 |
| Melesio | NULL | Texstar Excavating | 1 | 3 | 1VWAP7A38DC019544 |
| Garcia | Ernesto | Ernesto Garcia Trucking | 1 | 4 | 1FTWW31P05ED12447 |
| Nieto | Jaimes | Niceford | 1 | 5 | 2G61N5S34D9234666 |
| County Land | Mid | Mid County Land | 1 | 6 | JM1CR293890323205 |
| Jachon | E | Jachon Int'l LTD | 1 | 7 | 4T4BF1FK0CR295850 |
| Chrome | ATC | Chrome ATC | 1 | 8 | 1G1AS18H097240712 |
| Rush | NULL | Rush Truck-Austin | 1 | 12 | 5N1AA0NC2EN603445 |
| Oilfield Service | Headway | Headway Oilfield Service | 1 | 13 | 1FTMF1EF8DKG22066 |
| Stroup | Paul | Paul Stroup Custom Dozing | 1 | 14 | JTNBF3EK9A3098931 |
| Truck of Houston | Performance | Performance Truck of Houston | 1 | 17 | 1GNEC13T64R214542 |
| D | John | Clifton Chevrolet | 1 | 18 | WDBUF87J56X135129 |
| Trucking | Jag | Jag Trucking | 1 | 19 | 4USBT33493LS81728 |
| Lopez | Bernardino | AB Trucking | 1 | 23 | 3N1AB6AP1AL632607 |
| Larret | NULL | Larrett Inc | 1 | 24 | 2G4WD532651270530 |
| Rush | NULL | Rush Truck-Houston | 1 | 25 | 2HGFA165X6H554023 |

**Report Name:** Service cost report

**Report Description:** Display the costs of services tendered per month.

**Business Purpose:** This figure will represent the total gross profit from the services Herrera provides, before removing the cost of materials, labor, etc.

**SQL CODE:**

USE CoogTechSolutions

DECLARE

@minimumCost float(8)

SELECT @minimumCost = 1

SELECT

Service\_Line.SERVICE\_LINE\_ID AS 'Service Line ID',

Service\_Line.LINE\_COST as 'Cost'

FROM SERVICE\_LINE

LEFT JOIN SERVICE ON SERVICE\_LINE.SERVICE\_ID = SERVICE.SERVICE\_ID AND SERVICE\_LINE.LINE\_COST = SERVICE.COST

LEFT JOIN INVOICE ON SERVICE\_LINE.LINE\_COST = INVOICE.TOTAL\_COST

JOIN SERVICE\_LINE\_PART ON SERVICE\_LINE.SERVICE\_LINE\_ID = SERVICE\_LINE\_PART.SERVICE\_LINE\_ID

JOIN SERVICE\_LINE\_STATUS ON SERVICE\_LINE.SERVICE\_LINE\_ID = SERVICE\_LINE\_STATUS.SERVICE\_LINE\_ID

WHERE SERVICE\_LINE.LINE\_COST >= @minimumCost

ORDER BY SERVICE\_LINE.LINE\_COST;

**Report/Query Results:**

|  |  |
| --- | --- |
| Service Line ID | Cost |
| 41 | 45 |
| 11 | 75 |
| 47 | 100 |
| 39 | 150 |
| 39 | 150 |
| 25 | 150 |
| 25 | 150 |
| 48 | 210.06 |
| 22 | 270.53 |
| 31 | 300 |
| 31 | 300 |
| 34 | 400 |
| 28 | 460 |
| 20 | 750 |
| 2 | 800 |
| 2 | 800 |
| 35 | 940 |
| 4 | 1000 |
| 4 | 1000 |
| 6 | 1000 |
| 6 | 1000 |
| 45 | 1190.12 |
| 42 | 1250 |
| 42 | 1250 |
| 24 | 1250 |
| 24 | 1250 |
| 33 | 1300 |
| 33 | 1300 |
| 32 | 1350 |
| 29 | 2000 |
| 14 | 2434.01 |
| 23 | 2500 |
| 1 | 2595.91 |
| 10 | 2750 |
| 16 | 2934.97 |
| 44 | 3565 |
| 7 | 4000 |
| 30 | 4200 |
| 21 | 4500 |
| 21 | 4500 |
| 8 | 6000 |
| 27 | 6650 |
| 49 | 7750.87 |
| 19 | 7840 |
| 18 | 8475 |
| 13 | 8500 |
| 15 | 9500 |
| 9 | 10000 |
| 9 | 10000 |
| 9 | 10000 |
| 3 | 10001 |
| 5 | 12000 |
| 36 | 13100 |
| 37 | 13950 |
| 38 | 14290 |
| 17 | 14500 |
| 46 | 17056 |
| 12 | 17975 |
| 26 | 19670 |
| 43 | 20620.02 |

**Report Name:** Service completion time report

**Report Description:** The timespan it takes to complete individual services, depending on the service and its needs.

**Business Purpose:** Getting a report for the completion time of individual services will help Herrera understand the average time it takes for particular services and identify areas where improvement may be necessary.

**SQL CODE:**

USE CoogTechSolutions

SELECT DISTINCT

Service.SERVICE\_ID AS 'Service ID',

Service.DATE\_START AS 'Start Date',

Service.DATE\_END AS 'End Date',

Service.SERVICE\_TYPE AS 'Service Type'

FROM SERVICE\_LINE

JOIN SERVICE ON SERVICE\_LINE.SERVICE\_ID = SERVICE.SERVICE\_ID

JOIN SERVICE\_ORDER ON SERVICE\_LINE.SERVICE\_ORDER\_ID = SERVICE\_ORDER.SERVICE\_ORDER\_ID

JOIN INVOICE ON SERVICE\_LINE.LINE\_DATE = INVOICE.INVOICE\_DATE

JOIN SERVICE\_STATUS ON SERVICE.SERVICE\_ID = SERVICE\_STATUS.SERVICE\_ID

ORDER BY SERVICE.SERVICE\_ID;

**Report/Query Results:**

|  |  |  |  |
| --- | --- | --- | --- |
| Service ID | Start Date | End Date | Service Type |
| 1 | 1/2/2021 | 1/2/2021 | REPAIRS |
| 2 | 1/3/2021 | 1/3/2021 | TRAILER REPAIRS |
| 3 | 1/4/2019 | 12/17/2021 | TRAILER REPAIRS |
| 4 | 11/5/2021 | 11/15/2021 | REPAIRS |
| 5 | 11/5/2021 | 11/15/2021 | Paint Truck |
| 6 | 11/5/2021 | 11/15/2021 | Boxes:Semi-Round:15'-16' Semi-Round |
| 7 | 11/5/2021 | 11/15/2021 | Aluminum Tarp Arm Kit |
| 8 | 11/5/2021 | 11/15/2021 | HI-LIFT |
| 9 | 11/5/2021 | 11/15/2021 | Detailing |
| 10 | 11/5/2021 | 11/15/2021 | STRETCH |
| 11 | 1/8/2021 | 1/8/2021 | Double Frame:FRONT REAR HANGER |
| 12 | 1/8/2021 | 1/8/2021 | Ridewell Axle:8,000 LB Steerable |
| 13 | 1/10/2021 | 1/25/2021 | ALUMINUM WHEELS:17.5 POLISHED ALUM |
| 14 | 1/12/2021 | 1/29/2021 | Boxes:Square Box:13'-14' Square |
| 15 | 1/15/2021 | 1/15/2021 | Hot Shift Pto |
| 16 | 1/15/2021 | 1/15/2021 | Pintle Hitch |
| 17 | 1/15/2021 | 1/15/2021 | TRAILER PACKAGE |
| 18 | 1/16/2021 | 2/2/2021 | Boxes:Square Box:13'-14' Square |
| 19 | 1/16/2021 | 1/29/2021 | Hot Shift Pto |
| 20 | 1/16/2021 | 7/26/2021 | Pintle Hitch |
| 21 | 1/18/2021 | 1/18/2021 | TRAILER PACKAGE |
| 22 | 1/22/2021 | 1/22/2021 | Boxes:Square Box:17'-18' Square |
| 23 | 1/24/2021 | 1/24/2021 | Electric Tarp-Steel Arms |
| 24 | 1/29/2021 | 1/29/2021 | Boxes:Semi-Round:17'-18' Semi-Round |
| 25 | 1/30/2021 | 3/22/2021 | Paint Truck |
| 26 | 1/30/2021 | 1/30/2021 | SLEEPER MODIFICATIONS/REPAIRS |
| 27 | 2/1/2020 | 2/15/2020 | SLEEPER MODIFICATIONS/REPAIRS |
| 28 | 2/1/2020 | 2/14/2020 | STAKE BED:20-25' STAKE BED W/O HOIST |
| 29 | 2/1/2020 | 2/9/2020 | Fuel Tank |
| 30 | 2/1/2020 | 2/14/2020 | BATTERY BOX |
| 31 | 2/2/2020 | 2/2/2020 | Paint Truck |
| 32 | 2/7/2020 | 2/20/2020 | REPAIRS |
| 33 | 2/7/2020 | 3/21/2020 | STRETCH:UP TO 2' |
| 34 | 2/8/2020 | 2/8/2020 | Paint Truck |
| 35 | 2/12/2020 | 2/12/2020 | REPAIRS |
| 36 | 2/15/2020 | 2/15/2020 | FREIGHT CHARGES |
| 37 | 2/21/2020 | 2/21/2020 | STAKE BED:NO LIFT 24' |
| 38 | 2/21/2020 | 2/21/2020 | STRETCH:UP TO 2' |
| 39 | 2/21/2020 | 2/28/2020 | TOOL BOX |
| 40 | 2/22/2020 | 5/17/2020 | Paint Fenders |
| 41 | 2/22/2020 | 3/6/2020 | Boxes:Semi-Round:15'-16' Semi-Round |
| 42 | 2/26/2020 | 2/28/2020 | HI-LIFT |
| 43 | 2/27/2020 | 2/27/2020 | Electric Tarp-Steel Arms |
| 44 | 2/28/2020 | 4/3/2020 | Remove Sleeper:379 PETE |
| 45 | 3/1/2020 | 3/1/2020 | Boxes:Square Box:15'-16' Square |
| 46 | 3/5/2020 | 3/5/2020 | Electric Tarp-Steel Arms |
| 47 | 3/6/2020 | 5/14/2020 | Ridewell Axle:8,000 LB Steerable |
| 48 | 3/7/2020 | 8/8/2020 | Ridewell Axle:8,000 LB Steerable |
| 49 | 3/8/2020 | 3/29/2020 | ALUMINUM WHEELS:17.5 POLISHED ALUM |
| 50 | 3/12/2020 | 3/15/2020 | TIRE 235 17.5 CONTINENTAL |
| 51 | 3/13/2020 | 3/13/2020 | FREIGHT CHARGES |
| 52 | 3/14/2020 | 3/14/2020 | Boxes:Semi-Round:13'-14' Semi-Round |
| 53 | 3/15/2020 | 3/20/2020 | Hot Shift Pto |
| 54 | 3/16/2020 | 10/11/2020 | Electric Tarp-Steel Arms |
| 55 | 3/19/2020 | 3/31/2020 | Paint Truck |
| 56 | 3/20/2020 | 3/22/2020 | TARP 16X7 |
| 57 | 3/20/2020 | 3/27/2020 | STAKE BED:10-15' STAKE BED |
| 58 | 3/21/2020 | 6/4/2020 | Pintle Hitch |
| 59 | 3/22/2020 | 4/9/2020 | TOOL BOX |
| 60 | 3/22/2020 | 3/22/2020 | SHORTEN FRAME |
| 61 | 3/26/2020 | 4/19/2020 | TRAILER PACKAGE |
| 62 | 3/27/2020 | 4/3/2020 | Wet-Kits:Steel Single line Rear Mount |
| 63 | 3/27/2020 | 4/11/2020 | Ridewell Axle:Steerable Axle |
| 64 | 3/29/2020 | 3/29/2020 | Boxes:Semi-Round:13'-14' Semi-Round |
| 65 | 3/29/2020 | 4/12/2020 | Hot Shift Pto |
| 66 | 4/2/2019 | 4/2/2019 | Electric Tarp-Steel Arms |
| 67 | 4/2/2019 | 4/3/2019 | Paint Truck |
| 68 | 4/2/2019 | 4/2/2019 | Boxes:Square Box:13'-14' Square |
| 69 | 4/3/2019 | 4/3/2019 | Electric Tarp-Steel Arms |
| 70 | 4/3/2019 | 4/9/2019 | Pintle Hitch |
| 71 | 4/3/2019 | 4/3/2019 | STAKE BED:10-15' STAKE BED |
| 72 | 4/5/2019 | 4/10/2019 | Pintle Hitch |
| 73 | 4/5/2019 | 4/5/2019 | TOOL BOX |
| 74 | 11/5/2019 | 11/15/2019 | SHORTEN FRAME |
| 75 | 11/5/2019 | 11/15/2019 | TRAILER PACKAGE |
| 76 | 11/5/2019 | 11/15/2019 | Remove Sleeper |
| 77 | 11/5/2019 | 11/15/2019 | Boxes:DEMOLITION:15-17 DEMO |
| 78 | 4/10/2019 | 4/10/2019 | Paint Truck |
| 79 | 4/11/2019 | 4/11/2019 | Paint Fenders |
| 80 | 4/13/2018 | 4/30/2018 | FRONT BUMPER |
| 81 | 4/13/2018 | 4/26/2018 | TRAILER PACKAGE |
| 82 | 4/16/2018 | 4/16/2018 | Boxes:Square Box:13'-14' Square |
| 83 | 4/16/2018 | 12/23/2020 | Electric Tarp-Steel Arms |
| 84 | 4/16/2018 | 4/17/2018 | Boxes:DEMOLITION:15-17 DEMO |
| 85 | 4/16/2018 | 4/26/2018 | Excise Tax |
| 86 | 4/17/2018 | 4/26/2018 | Electric Tarp-Steel Arms |
| 87 | 4/17/2018 | 6/28/2018 | STRETCH |
| 88 | 4/18/2018 | 4/18/2018 | Double Frame |
| 89 | 4/19/2018 | 4/26/2018 | Ridewell Axle:Axle Kit |
| 90 | 4/19/2018 | 4/19/2018 | Ridewell Axle:8,000 LB Steerable |
| 91 | 4/19/2018 | 4/30/2018 | REPAIRS |
| 92 | 4/19/2018 | 4/19/2018 | REPAIRS |
| 93 | 4/19/2018 | 5/10/2018 | ELECTRIC BRAKE CONTROL INSTALL |
| 94 | 4/19/2018 | 4/24/2018 | REPAIRS |
| 95 | 4/20/2018 | 4/26/2018 | Sandblast Frame |
| 96 | 4/23/2018 | 4/23/2018 | REPAIRS |
| 97 | 4/23/2018 | 4/30/2018 | Boxes:Square Box |
| 98 | 4/28/2018 | 4/30/2018 | REPAIRS |
| 99 | 4/30/2018 | 1/28/2018 | ALUMINUM WHEELS:17.5 POLISHED ALUM |
| 100 | 5/1/2018 | 5/8/2018 | Boxes:DEMOLITION:15-17 DEMO |

**Report Name:** Repairs report

**Report Description:** Display services that just entail repairs.

**Business Purpose:** This report will isolate the repairs-only services that Herrera does in comparison to their other services.

**SQL CODE:**

USE CoogTechSolutions

DECLARE

@serviceRepairs varchar(7),

@trailerRepairs varchar(15)

SELECT @serviceRepairs = 'REPAIRS'

SELECT @trailerRepairs = 'TRAILER REPAIRS'

SELECT

Service.SERVICE\_ID AS 'Service ID',

Service.SERVICE\_TYPE AS 'Service Type'

FROM SERVICE\_LINE

JOIN SERVICE ON SERVICE\_LINE.SERVICE\_ID = SERVICE.SERVICE\_ID

JOIN EMPLOYEE\_SERVICE\_LINE\_ASSIGNMENT ON SERVICE\_LINE.SERVICE\_LINE\_ID = EMPLOYEE\_SERVICE\_LINE\_ASSIGNMENT.SERVICE\_LINE\_ID

JOIN SERVICE\_ORDER ON SERVICE\_LINE.SERVICE\_ORDER\_ID = SERVICE\_ORDER.SERVICE\_ORDER\_ID

JOIN SERVICE\_LINE\_PART ON SERVICE\_LINE.SERVICE\_LINE\_ID = SERVICE\_LINE\_PART.SERVICE\_LINE\_ID

WHERE Service.SERVICE\_TYPE like @serviceRepairs

OR Service.SERVICE\_TYPE like @trailerRepairs

**Report/Query Results:**

|  |  |
| --- | --- |
| Service ID | Service Type |
| 1 | REPAIRS |
| 2 | TRAILER REPAIRS |
| 3 | TRAILER REPAIRS |
| 4 | REPAIRS |
| 32 | REPAIRS |
| 35 | REPAIRS |
| 91 | REPAIRS |
| 92 | REPAIRS |
| 94 | REPAIRS |
| 96 | REPAIRS |
| 98 | REPAIRS |

# Jerry Perry

# Anthony Vu

# Darrian Woodard