**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:**

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.BUSINESS AS 'Business Customer',

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

Customer\_Status.ACTIVE\_NAME as 'Active/Inactive Status'

FROM CUSTOMER

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

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

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

JOIN CUSTOMER\_STATUS ON Customer.ACTIVE\_ID = CUSTOMER\_STATUS.ACTIVE\_ID

WHERE Customer\_Type.BUSINESS\_ID = @business

ORDER BY Customer.CUSTOMER\_ID;

**Report/Query Results:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Customer ID** | **Customer Last Name** | **Customer First Name** | **Customer Business Name** | **Business Customer** | **Service Order ID** | **Active/Inactive Status** |
| 1 | Delroy | John | Best American | Business | 1 | Inactive-Premium |
| 2 | Melissa | Amy | Cowgirl Trucking | Business | 2 | Inactive-Premium |
| 3 | Melesio | John | Texstar Excavating | Business | 3 | Inactive-Premium |
| 4 | Garcia | Ernesto | Ernesto Garcia Trucking | Business | 4 | Inactive-Premium |
| 5 | Nieto | Jaimes | Niceford | Business | 5 | Inactive-Premium |
| 6 | County Land | Mid | Mid County Land | Business | 6 | Inactive-Premium |
| **Customer ID** | **Customer Last Name** | **Customer First Name** | **Customer Business Name** | **Business Customer** | **Service Order ID** | **Active/Inactive Status** |
| 7 | Jachon | E | Jachon Int'l LTD | Business | 7 | Inactive-Premium |
| 8 | Chrome | ATC | Chrome ATC | Business | 8 | Inactive-Premium |
| 11 | Victor | Alejandro | Circle V Trucking | Business | 11 | Inactive-Premium |
| 12 | Buege | James | Rush Truck-Austin | Business | 12 | Inactive-Premium |
| 13 | Odell | Trent | Headway Oilfield Service | Business | 13 | Inactive-Premium |
| 14 | Stroup | Paul | Paul Stroup Custom Dozing | Business | 14 | Inactive-Premium |
| 17 | Park | William | Performance Truck of Houston | Business | 17 | Inactive-Premium |
| 18 | Chambers | Alexander | Clifton Chevrolet | Business | 18 | Inactive-Premium |
| 19 | Plank | Dennis | Jag Trucking | Business | 19 | Inactive-Premium |
| 22 | Barrett | Nathan | Rush Truck-San Antonio | Business | 22 | Inactive-Premium |
| 23 | Lopez | Bernardino | AB Trucking | Business | 23 | Inactive-Premium |
| 24 | Larret | August | Larrett Inc | Business | 24 | Inactive-Premium |
| 25 | Guttierez | Miguel | Rush Truck-Houston | Business | 25 | Inactive-Premium |
| 26 | Gray | Jake | Red Trucking | Business | 26 | Inactive-Premium |
| 29 | Gonzales | Ricky | Elite Landscaping | Business | 29 | Inactive-Premium |
| 32 | Carter | Tyrae | R & A Transport Inc | Business | 32 | Inactive-Premium |
| 33 | Grantham | Weston | Holt Tuck Centers CAT | Business | 33 | Inactive-Premium |
| 35 | Cantu | Carlos | Raga Equipment | Business | 35 | Inactive-Premium |
| 37 | Warren | Christopher | Grande Sales & Services | Business | 37 | Inactive-Premium |
| 38 | Hronek | Jason | H&H Top Soil and Select Fill | Business | 38 | Inactive-Premium |
| 40 | Tran | David | Parody Trucking | Business | 40 | Inactive-Premium |
| 41 | Quinonez | Cesar | SM Trucking | Business | 41 | Active |
| **Customer ID** | **Customer Last Name** | **Customer First Name** | **Customer Business Name** | **Business Customer** | **Service Order ID** | **Active/Inactive Status** |
| 43 | Gilbert | George | George Gilbert Enterprises | Business | 43 | Active |
| 44 | Ted | Johnathan | CKG Services | Business | 44 | Active |
| 45 | Anthony | Vincent | Cowboy Top Soil | Business | 45 | Active |
| 46 | Picton | Harold | Coast Materials Inc | Business | 46 | Active |
| 47 | Salinas | Hector | H Salinas Trucking | Business | 47 | Active |
| 49 | Jack | Billy | Billy Jack Construction Co | Business | 49 | Active |
| 51 | Lamar | Vince | Vince Delivery | Business | 51 | Active |
| 52 | Alvarez | Zach | Visa Pool Plastering | Business | 52 | Active |
| 53 | Jones | Brandon | BJ Vacumme | Business | 53 | Active |
| 54 | Romar | Alex | Romar Unlimited Incorporation | Business | 54 | Active |
| 55 | Schmitz | Glenn | J&B Pavelk Inc. | Business | 55 | Active |
| 56 | Diggs | Tom | Hauling Valley LLC | Business | 56 | Active |
| 59 | Hamrick | Bill | FAA Truck | Business | 59 | Inactive |
| 61 | Bradley | Craig | DAM Truck Services | Business | 61 | Inactive |
| 63 | Warner | Bryan | Premium Contractors | Business | 63 | Inactive |
| 64 | Shah | Andy | Shah Transport LLC | Business | 64 | Inactive |
| 67 | Hughes | Jeff | Hughes Trucking | Business | 67 | Inactive |
| 69 | Adams | Adrian | Adams Trucking | Business | 69 | Inactive |
| 70 | Jones | Johnathan | JJ Excavation | Business | 70 | Inactive |
| 73 | Castanon | Jose | Clark Freight Lines Inc | Business | 73 | Inactive |
| 74 | Butler | John | JB Ranch | Business | 74 | Inactive |
| 75 | Gilco | Clark | Gilco Contracting | Business | 75 | Inactive |
| 76 | Cason | Jacob | Circle M Transport | Business | 76 | Inactive |
| 77 | Olivares | Eliud | Elite HTX Trucking LLC | Business | 77 | Inactive |
| 78 | Hilby | Malik | Hilby Limited Trucking | Business | 78 | Inactive |
| 79 | Deramus | Johnny | Jonny Deramus Dump Truck Servic LLC | Business | 79 | Inactive |
| 81 | Lane | John | Houston Tree Transplanting | Business | 81 | Inactive |
| 82 | Scott | Logan | D&D Truck Sales Inc | Business | 82 | Inactive |
| 83 | Strother | Sophia | Selectrucks Of Houston | Business | 83 | Inactive |
| 84 | Smith | Kenneth | Rush Truck-Waco | Business | 84 | Inactive |
| 85 | Woods | Russel | South Texas Logging & Transport | Business | 85 | Inactive |
| **Customer ID** | **Customer Last Name** | **Customer First Name** | **Customer Business Name** | **Business Customer** | **Service Order ID** | **Active/Inactive Status** |
| 86 | Midgley | Tyler | SJC Trucking | Business | 86 | Inactive |
| 88 | Overton | Anthony | OKB Transport | Business | 88 | Inactive |
| 89 | Masters | Simon | Texas Truck Sales | Business | 89 | Inactive |
| 90 | Devin | Jeffrey | Vanguard Truck Center | Business | 90 | Inactive |
| 99 | Hogan | Bob | General Parts & Supply | Business | 99 | Inactive |
| 100 | Benitez | Rodger | Benitez Trucking Enterprises | Business | 100 | Inactive |

**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. for the purpose of determining income before taxes and other accounting factors per service order.

**SQL CODE:**

DECLARE

@minimumCost float(8)

SELECT @minimumCost = 1

SELECT DISTINCT

Invoice.SERVICE\_ORDER\_ID AS 'Service Order ID',

Invoice.TOTAL\_COST AS 'Total Cost',

Invoice.INVOICE\_DATE AS 'Invoice Date'

FROM INVOICE\_PAYMENT

JOIN INVOICE ON INVOICE\_PAYMENT.SERVICE\_ORDER\_ID = INVOICE.SERVICE\_ORDER\_ID AND INVOICE\_PAYMENT.INVOICE\_ID = INVOICE.INVOICE\_ID

JOIN PAYMENT\_STATUS ON INVOICE\_PAYMENT.ACTIVE\_ID = PAYMENT\_STATUS.ACTIVE\_ID

JOIN PAYMENT\_REVENUE ON INVOICE\_PAYMENT.SERVICE\_ORDER\_ID = PAYMENT\_REVENUE.SERVICE\_ORDER\_ID

JOIN PAYMENT ON INVOICE\_PAYMENT.PMT\_ID = PAYMENT.PMT\_ID

WHERE INVOICE.TOTAL\_COST >= @minimumCost

ORDER BY INVOICE.TOTAL\_COST;

**Report/Query Results:**

|  |  |  |
| --- | --- | --- |
| **Service Order ID** | **Total Cost** | **Invoice Date** |
| 18 | $ 45.00 | 2021-03-26 |
| 10 | $ 81.19 | 2021-01-18 |
| 19 | $ 108.25 | 2021-04-05 |
| 38 | $ 129.90 | 2020-07-09 |
| 29 | $ 140.00 | 2020-06-05 |
| 15 | $ 150.00 | 2021-02-27 |
| 18 | $ 150.00 | 2021-03-22 |
| 40 | $ 163.40 | 2020-07-30 |
| 28 | $ 194.85 | 2020-05-23 |
| 20 | $ 227.39 | 2021-04-10 |
| 31 | $ 233.98 | 2020-06-07 |
| 14 | $ 270.53 | 2021-02-21 |
| 17 | $ 300.00 | 2021-03-13 |
| 17 | $ 324.75 | 2021-03-08 |
| **Service Order ID** | **Total Cost** | **Invoice Date** |
| 18 | $ 400.00 | 2021-03-15 |
| 43 | $ 450.00 | 2020-08-13 |
| 16 | $ 460.00 | 2021-03-05 |
| 27 | $ 500.00 | 2020-05-05 |
| 27 | $ 541.25 | 2020-05-07 |
| 39 | $ 669.60 | 2020-07-26 |
| 14 | $ 750.00 | 2021-02-12 |
| 40 | $ 790.00 | 2020-08-02 |
| 1 | $ 800.00 | 2021-01-03 |
| 25 | $ 866.00 | 2021-04-23 |
| 23 | $ 900.00 | 2021-04-17 |
| 3 | $ 1,000.00 | 2021-01-05 |
| 18 | $ 1,017.55 | 2021-03-16 |
| 27 | $ 1,190.75 | 2020-05-17 |
| 32 | $ 1,200.00 | 2020-06-25 |
| 15 | $ 1,250.00 | 2021-02-26 |
| 19 | $ 1,250.00 | 2021-03-27 |
| 19 | $ 1,273.62 | 2021-04-02 |
| 18 | $ 1,300.00 | 2021-03-14 |
| 45 | $ 1,350.00 | 2020-08-21 |
| 28 | $ 1,396.43 | 2020-05-24 |
| 17 | $ 1,461.38 | 2021-03-12 |
| 27 | $ 1,623.75 | 2020-05-08 |
| 16 | $ 2,000.00 | 2021-03-06 |
| 45 | $ 2,000.00 | 2020-08-22 |
| 27 | $ 2,165.00 | 2020-05-09 |
| 37 | $ 2,381.50 | 2020-07-03 |
| 13 | $ 2,619.65 | 2021-01-29 |
| 1 | $ 2,656.23 | 2021-01-02 |
| 14 | $ 2,706.25 | 2021-02-22 |
| 9 | $ 2,976.88 | 2021-01-16 |
| 13 | $ 3,135.86 | 2021-02-01 |
| 23 | $ 3,436.94 | 2021-04-16 |
| 42 | $ 3,838.25 | 2020-08-09 |
| 19 | $ 3,859.11 | 2021-03-29 |
| 5 | $ 4,000.00 | 2021-01-08 |
| 41 | $ 4,138.25 | 2020-08-08 |
| 16 | $ 4,546.50 | 2021-03-07 |
| 27 | $ 4,800.00 | 2020-05-10 |
| **Service Order ID** | **Total Cost** | **Invoice Date** |
| 14 | $ 4,871.25 | 2021-02-15 |
| 38 | $ 5,000.00 | 2020-07-10 |
| 35 | $ 5,770.75 | 2020-06-28 |
| 24 | $ 5,845.50 | 2021-04-18 |
| 6 | $ 6,000.00 | 2021-01-10 |
| 27 | $ 7,036.25 | 2020-05-02 |
| 15 | $ 7,074.88 | 2021-03-01 |
| 39 | $ 7,248.50 | 2020-07-11 |
| 24 | $ 7,801.00 | 2021-04-19 |
| 21 | $ 7,928.32 | 2021-04-11 |
| 13 | $ 8,417.50 | 2021-02-08 |
| 13 | $ 8,475.00 | 2021-02-07 |
| 12 | $ 8,500.00 | 2021-01-24 |
| 27 | $ 9,800.00 | 2020-05-14 |
| 7 | $ 10,000.00 | 2021-01-12 |
| 13 | $ 10,283.75 | 2021-01-30 |
| 39 | $ 10,825.00 | 2020-07-23 |
| 2 | $ 10,826.08 | 2021-01-04 |
| 22 | $ 11,035.00 | 2021-04-13 |
| 30 | $ 11,069.32 | 2020-06-06 |
| 4 | $ 12,000.00 | 2021-11-05 |
| 31 | $ 12,200.00 | 2020-06-14 |
| 40 | $ 12,500.00 | 2020-07-31 |
| 24 | $ 12,850.00 | 2021-04-20 |
| 18 | $ 13,100.00 | 2021-03-19 |
| 26 | $ 13,210.00 | 2020-04-30 |
| 27 | $ 13,518.12 | 2020-05-15 |
| 18 | $ 13,950.00 | 2021-03-20 |
| 8 | $ 14,000.00 | 2021-01-15 |
| 38 | $ 14,392.00 | 2020-07-06 |
| 13 | $ 14,500.00 | 2021-02-02 |
| 36 | $ 15,000.00 | 2020-07-02 |
| 18 | $ 15,374.88 | 2021-03-21 |
| 38 | $ 15,990.00 | 2020-07-05 |
| 34 | $ 16,150.00 | 2020-06-27 |
| 33 | $ 17,320.00 | 2020-06-26 |
| 11 | $ 17,975.00 | 2021-01-22 |
| 25 | $ 18,074.80 | 2020-04-28 |
| 19 | $ 18,383.92 | 2021-04-03 |
| **Service Order ID** | **Total Cost** | **Invoice Date** |
| 32 | $ 18,730.00 | 2020-06-19 |
| 44 | $ 19,750.00 | 2020-08-16 |
| 39 | $ 20,000.00 | 2020-07-12 |
| 31 | $ 20,361.83 | 2020-06-11 |
| 19 | $ 20,620.02 | 2021-03-28 |
| 15 | $ 21,358.78 | 2021-02-28 |
| 28 | $ 29,961.00 | 2020-06-04 |
| 27 | $ 30,712.00 | 2020-05-01 |

**Report Name:** Employee Roles Report

**Report Description:** The current employee roles, the employees assigned to them, as well as the status of the employees within each role.

**Business Purpose:** Viewing the current employee roles and the employees assigned to them will allow Herrera to find potential space for role distribution as well as what areas of the business may need additional hires. It also allows potential for splitting roles or adding additional roles if needed in the future.

**SQL CODE:**

SELECT DISTINCT

Employee.EMPLOYEE\_ID AS 'Employee ID',

Employee.EMPLOYEE\_LNAME AS 'Employee Last Name',

Employee.EMPLOYEE\_FNAME AS 'Employee First Name',

Role.ROLE\_NAME AS 'Role',

Employee\_Status.Active\_Name AS 'Active Status'

FROM EMPLOYEE

JOIN ROLE ON EMPLOYEE.ROLE\_ID = ROLE.ROLE\_ID

JOIN EMPLOYEE\_STATUS ON EMPLOYEE.ACTIVE\_ID = EMPLOYEE\_STATUS.ACTIVE\_ID

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

ORDER BY Role.ROLE\_NAME

**Report/Query Results:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Employee ID** | **Employee Last Name** | **Employee First Name** | **Role** | **Active Status** |
| 4 | Castillo | Adrian | Electrical Technician | Active-Servicing |
| 7 | Barron | Victor | Electrical Technician | Active-Servicing |
| 11 | Para | Omar | Electrical Technician | Active-Servicing |
| 13 | Castaneda | May | Frameworker | Active-Servicing |
| 16 | Alanis | Roberto | Frameworker | Active-Servicing |
| 17 | Alanis | Ernesto | Frameworker | Active-Servicing |
| 19 | Dominguez | Fidencio | Frameworker | Active-Servicing |
| 23 | Hernandez | George | Frameworker | Active-Servicing |
| 24 | Torres | Hector | Frameworker | Active-Servicing |
| 10 | Medina | Pedro | Office Assistant | Active-Servicing |
| 1 | Herrera | Martin | Office Manager | Active-Available |
| 3 | Martinez | Ignacio | Painter | Active-Servicing |
| 8 | Valadez | Hector | Painter | Active-Servicing |
| 20 | Juarez | Manuel | Painter | Active-Servicing |
| 21 | Bibriesca | Omar | Painter | Active-Servicing |
| 14 | Avila | Carlos | Painter | Active-Servicing |
| 15 | Carabez | Ricardo | Painter | Active-Servicing |
| 18 | Ramirez | Israel | Welder | Active-Servicing |
| **Employee ID** | **Employee Last Name** | **Employee First Name** | **Role** | **Active Status** |
| 22 | Alvarez | Luis | Welder | Active-Servicing |
| 9 | Puerto | Pedro | Welder | Active-Servicing |
| 12 | Bibriesca | John | Welder | Active-Servicing |
| 5 | Banegas | Yeison | Welder | Active-Servicing |
| 6 | Banegas | Gerson | Welder | Active-Servicing |

**Report Name:** Repairs report

**Report Description:** Display services that only entail repairs to an existing vehicle.

**Business Purpose:** This report will isolate the repairs-only services that Herrera does in comparison to their other services to determine the volume and demand and set aside necessary materials and scheduling needs.

**SQL CODE:**

DECLARE

@serviceRepairs varchar(7),

@miscRepairs varchar(30)

SELECT @serviceRepairs = '%REPAIRS%'

SELECT @miscRepairs = '%REPAIR%'

SELECT DISTINCT

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\_ORDER\_ID = EMPLOYEE\_SERVICE\_LINE\_ASSIGNMENT.SERVICE\_ORDER\_ID

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

JOIN VEHICLE\_SERVICE ON SERVICE.SERVICE\_ID = VEHICLE\_SERVICE.SERVICE\_ID

WHERE Service.SERVICE\_TYPE like @serviceRepairs

OR Service.SERVICE\_TYPE like @miscRepairs

**Report/Query Results:**

|  |  |
| --- | --- |
| **Service ID** | **Service Type** |
| 10 | REPAIRS |
| 58 | HOOD REPAIR |
| 63 | REPAIR BED FLOOR |
| 74 | REPAIR TRAILER |
| 98 | REPAIR DUMP BOX |