

# Operator Volume Report

This report had information about Each operator/teams counts and details of ref\_ids, container\_ids, and customers.

**Data:** From CW and IE, only year 2024

**SQL to get CW data:**

```
SELECT
    ", --operation_id populated as hash in python
    'CW', --as [System],
    'A' as RecStatus,
    ", --as [LOB],
    (SELECT TOP 1 staff.GS_FullName
    FROM CustomsReporting.dbo.Cargowise_OrgStaffAssignments_PROD_REPORTING sa
    JOIN CustomsReporting.dbo.Cargowise_GLBStaff_PROD_REPORTING staff
    ON staff.GS_Code = (
        SELECT TOP 1 O8_GS_NKPersonResponsible
        FROM CustomsReporting.dbo.Cargowise_OrgStaffAssignments_PROD_REPORTING sa_inner
        WHERE sa_inner.O8_OH = sa.O8_OH
        AND sa_inner.O8_Role =
            CASE
                WHEN EXISTS (
                    SELECT 1
                    FROM CustomsReporting.dbo.Cargowise_OrgStaffAssignments_PROD_REPORTING sa2
                    WHERE sa2.O8_OH = sa.O8_OH
                    AND sa2.O8_Role = 'CUS'
                ) THEN 'CUS'
                ELSE 'ACT'
            END
        ORDER BY sa_inner.O8_SystemCreateTimeUTC DESC -- Ensure only one value is selected
    )
    WHERE sa.O8_OH = OH.OH_PK
    ORDER BY sa.O8_SystemCreateTimeUTC DESC) AS operator, --Operator
    ", --customercsr
    CASE WHEN JS_RS_NKServiceLevel = 'AWS' THEN 'All Water'
        WHEN JS_RS_NKServiceLevel = 'MLB' THEN 'MLB'
        ELSE NULL END AS ShipMode, --case statement to return either 'MLB, All Water'
    ", -- as [DeliveryType]
    jk.JK_UniqueConsignRef as ref_id, --as [REFID], --C OR S USED IN JOINS
    jk.JK_BookingReference, -- as [BookingNo],
    jk.JK_MasterBillNum, --MBL
    JS.JS_HouseBill,
    ", --SONumber
    CAST(OH.OH_PK AS VARCHAR(100)) AS to_company_id,
    OH.OH_FullName as to_company, --as ToC,
    OH.OH_FullName as consignee, -- as Consignee,
    ", --notify
    (SELECT OH_FullName FROM CustomsReporting.[dbo].[Cargowise_ORGHEADER_PROD_REPORTING] OH
    WHERE OH.OH_PK = JS.JS_OH_ImportBroker) AS Broker, --broker
    ", --NVO
    ", --shipline
    (SELECT oh.OH_CODE
    FROM CustomsReporting.[dbo].[Cargowise_OrgAddress_PROD_REPORTING] oa
    JOIN CustomsReporting.[dbo].[Cargowise_ORGHEADER_PROD_REPORTING] oh ON oh.OH_PK = oa.OA_OH
    WHERE oa.OA_PK = jk.JK_OA_ShippingLineAddress) AS [SCAC],
    jwConsolMother.JW_Vessel, -- as [Vessel],
    jwConsolMother.JW_VoyageFlight, -- as [Voyage],
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jwConsoleETD.JW_Vessel, -- as [Feeder],
jwConsoleETD.JW_VoyageFlight, -- as [FVOY],
(SELECT RL_PortName + ', ' + RL_RN_NKCountryCode FROM
CustomsReporting.[dbo].[Cargowise_RefUNLOCO_PROD_REPORTING] rl WHERE rl.RL_Code =
jk.JK_RL_NKLoadPort) AS LoadingPort,
(SELECT RL_PortName + ', ' + RL_RN_NKCountryCode FROM
CustomsReporting.[dbo].[Cargowise_RefUNLOCO_PROD_REPORTING] rl WHERE rl.RL_Code =
JS.JS_RL_NKOrigin), --CW origin
(SELECT RL_PortName + ', ' + RL_RN_NKCountryCode FROM
CustomsReporting.[dbo].[Cargowise_RefUNLOCO_PROD_REPORTING] rl WHERE rl.RL_Code =
JK_RL_NKDischargePort) AS Destination, --CW dest
(SELECT RL_PortName + ', ' + RL_RN_NKCountryCode FROM
CustomsReporting.[dbo].[Cargowise_RefUNLOCO_PROD_REPORTING] rl WHERE rl.RL_Code =
jwConsolMother.JW_RL_NKDiscPort), -- as [InPort],
(SELECT TOP 1 CAST(CE_EntryNum AS VARCHAR(1000)) FROM
CustomsReporting.[dbo].[Cargowise_CUSENTRYNUM_PROD_REPORTING] WHERE CE_EntryType = 'IT' AND
CE_ParentID = JS_PK), -- as [InITNo],
(SELECT RL_PortName + ', ' + RL_RN_NKCountryCode FROM
CustomsReporting.[dbo].[Cargowise_RefUNLOCO_PROD_REPORTING] rl WHERE rl.RL_Code =
JS.JS_RL_NKDestination) AS FinalDest,
", --incoterms
", -- as [CstmsRlsdBy],
",-- as [EntryNo],
'0',-- as [CntrRls],
", -- as [DetailComment],
", -- as [AN_Remark],
", -- as [TradecardFCR],
JK_RL_NKLoadPort AS LoadingPortID,
JS.JS_RL_NKOrigin AS OriginPort,
JK_RL_NKDischargePort AS DestinationPort,
--Dates--
NULL AS [CarrierBookingSubmitted],
NULL AS [CargoReadyDate],
NULL AS [CarrierBookingConfirmed],
NULL AS [ERD],
NULL AS [MBLDate], --eDocs tab
NULL AS [DocCutoffDate],
NULL AS [CutOfDate],
NULL AS [PORETA],
NULL AS [PORATA],
jwConsoleETD.JW_ETD AS loading_etd,
jwConsoleETD.JW_ATD AS [ActDeptDate],
NULL AS [DocCompleted],
jwConsolMother.JW_ETA AS [DischargeETA],
jwConsolMother.JW_ATA AS [ActDischargePort],
(SELECT MIN(CH_EntrySubmittedDate)
FROM CustomsReporting.[dbo].[Cargowise_CUSENTRYHEADER_PROD_REPORTING]
WHERE CH_JE IN (
SELECT CH_JE
FROM CustomsReporting.[dbo].[Cargowise_CUSENTRYHEADER_PROD_REPORTING] ch
JOIN CustomsReporting.[dbo].[Cargowise_JobDeclaration_PROD_REPORTING] je
ON je.JE_PK = ch.CH_JE
WHERE je.JE_JS = js.JS_PK
)
) AS [CstmsRlsdDate],
JK_SystemCreateTimeUtc AS CreateDate

```

```

FROM CustomsReporting.[dbo].[Cargowise_JobConsol_PROD_REPORTING] jk
JOIN CustomsReporting.[dbo].[Cargowise_JobConShipLink_PROD_REPORTING] I ON I.JN_JK = jk.JK_PK
JOIN CustomsReporting.[dbo].[Cargowise_JobShipment_PROD_REPORTING] js ON js.JS_PK = I.JN_JS
JOIN CustomsReporting.[dbo].[Cargowise_JobDocAddress_PROD_REPORTING] E2 ON E2.E2_ParentID =
JS.JS_PK AND E2.AddressType = 'CED'
JOIN CustomsReporting.[dbo].[Cargowise_OrgAddress_PROD_REPORTING] OA ON OA.OA_PK =
E2.E2_OA_Address
JOIN CustomsReporting.[dbo].[Cargowise_ORGHEADER_PROD_REPORTING] OH ON OH.OH_PK = OA.OA_OH
LEFT OUTER JOIN CustomsReporting.[dbo].[cwJWConsolETDViewCustomsReporting] jwConsolETD ON
jwConsolETD.JW_ParentGuid = jk.JK_PK
LEFT OUTER JOIN CustomsReporting.[dbo].[cwJWConsolMotherViewCustomsReporting] jwConsolMother ON
jwConsolMother.JW_ParentGuid = jk.JK_PK
WHERE js.JS_TransportMode = 'SEA'
AND jk.JK_SystemCreateTimeUtc >= '2021-01-01 00:00:00.000'
AND YEAR(jwConsolETD.JW_ETD) = 2024 -- Filter for records where the LoadingETD is in the year 2024
ORDER BY jwConsolETD.JW_ETD ASC;

```

Above SQL is used to map the current working operator name with the account just for CW data.

### **Python Script:**

Executing the “operator\_volume.ipynb” file will generate a few different files used to fill the data to get the report

### **Existing Report file:**

Existing report file “operator\_volume\_report.xlsm” is used, alter data in it to get the updated report.

**NOTE:** the file is the macro-enabled file, to enable it follow the steps in the file “Macro\_enabling”

**Data to be altered in it:** sheet-Data, Details

Update the pivot table data

### **Steps to get the report:**

1. Execute the SQL to get CW data
2. Extract that data to a file named “main\_cw\_op.xlsx”
3. Start executing the Python script(Overview below)
  - a. It will connect to the DB
  - b. Read the CW data
  - c. Fetch IE data and merge both IE and CW
  - d. Columns needed: ['ref\_id', 'operator', 'loading\_etd', 'to\_company\_id', 'to\_company', 'consignee']
  - e. # Replace operator name where to\_company  
 'AMERICAN SIGNATURE INC (ASI)', 'operator'] = 'ASI Team'  
 'SVP Sewing Brands, LLC', 'operator'] = 'David McKeen'  
 'ITG VOMA', 'operator'] = 'Michelle Ford'  
 'Igloo Products Corp.', 'operator'] = 'Gage Foster'
  - f. Create a data frame to get the count of container and ref\_id, this will be saved to a diff file:  
 'operator\_volume\_report.xlsx'
  - g. Make a separate data frame to get details of the customer/consignee and details and save it to  
 'output\_acc.xlsx'
4. Open the existing report file “operator\_volume\_report.xlsm”
  - a. Copy the data from file 'operator\_volume\_report.xlsx' to Sheet “Data”
  - b. Copy the data from file 'output\_acc.xlsx' to Sheet “Details”
  - c. It will contain few missing data,
    - i. Connect with Misti to get details about missing information and update
  - d. Refresh and Change the data source for all the pivot tables in both sheets: Count, Customer Volume
5. To get details of ref\_ids based on any information, the Python script will generate another file  
 “output\_merged\_df.xlsx”