API - Volume correction - KSL 450

API - Volume correction for oil products.

The program uses the methods presented in the
Petroleum Measurement Tables, Volume X, ASTM D 1250-80,
to calculate corrected standard volumes.

Input to the program is:

1.   Oil category. Enter OIL1, ..., OIL5 or LIQ to turn off the calculations.

OIL1 - Crude oil,	table54A/6A (0<=API60F<=100)
OIL2 - Gasoline's and naphthenes	table54B/6B (50<=API60F<= 85)
OIL3 - Jet fuels, kerosene's and solvents	table54B/6B (37<=API60F<= 50)
OIL4 - Diesels, heating and fuel oils	table54B/6B (0<=API60F<= 37)
OIL5 - Lubricating oils	(12<=API60F<= 22)

Or

LIQ   - Liquid with no volume correction.

2.   API gravity value at 60 deg F or density for oil in vacuum at 15 deg C.

3.   Temperature of the oil given in deg C or deg F.

Output from the program is:

1.   Calculated corrected volumes at 60 deg F and 15 deg C.

2.   Calculated corresponding correction factors.

3.   Density for the oil at the current temperature in air.

4.   Apparent weight in air and weight in vacuum.

NOTE:

   In the Master Workstation (MW) program, inputs are made in the
   Single Tank Picture.
   In both the MW and the Additional Workstation (AW) "Slave", use the
   Tank Table Picture for display of program outputs.