

Float interest Calculations for Collateral Loans

Float interest is calculated and posted to Client's loan balance, based on the parameters or posting type selected under Charge templates at the client level. It is calculated based on the system defined float days and Loan Balance. The interest may vary based on the repayments and the parameters selected. It is calculated and posted in 3 scenarios:

- In Balance
- Accrue to Loan
- Accrue to Statement

In Balance posting type:

In this scenario, the float interest is calculated by compounding the interest.

Partial Repayment

When partial repayment is done, the float interest is calculated based on the loan balance before repayment for defined float days. Each day float interest is calculated by compounding the previous days float interest with the loan balance.

For example:

([Closing balance before repayment* interest]/100)/360 for 1st day

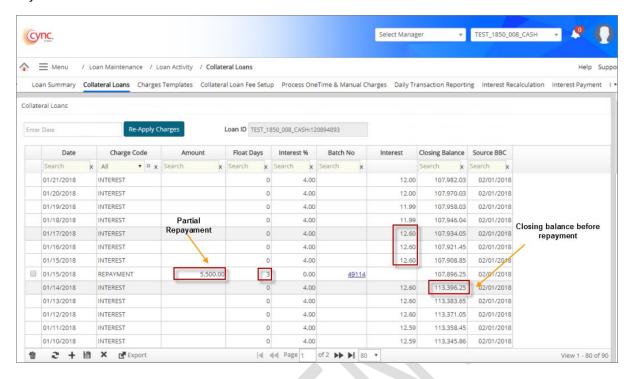
(113,396.25*4)/100)/360 = 12.60

([1st Day float interest+ Closing balance before repayment]* interest)/100)/360 for 2nd Day

[12.60+113,396.25*4]/100)/360 = 12.60

Float interest is calculated based on the number of float days defined for the source type. For example: If system defined float days are 3 then float interest is calculated for 3 days.





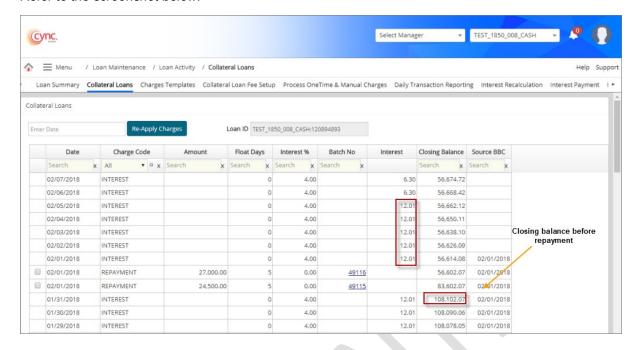
Multiple Repayments on the same day

When multiple repayments are done on the same day, the float interest is calculated based on the loan balance before repayment for defined float days. Each day float interest is calculated by compounding the previous days float interest with the loan balance.

For example:

((Closing balance before repayment* interest) /100) /360 for 1st day (108,102.07*4) /100) /360= 12.01





Irrespective of the number repayments on the same day the float interest and float days remains same for all the repayments.

Consecutive day Repayment

When repayment is made for consecutive days, float interest is calculated based on the closing balance before 1st repayment for defined float days. Each day float interest is calculated by compounding the previous days float interest with the loan balance.

For example:

([Closing balance before 1st repayment* interest] /100) /360 for 1st day

([56718.82*4]/100)/360 = 6.30

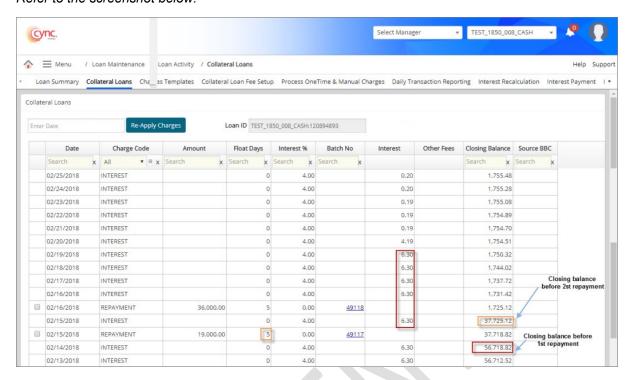
This is calculated for defined float days i e days

After the realization of first repayment float days, the float interest for the second repayment is calculated based the loan balance before the second repayment.

([Closing balance before second repayment* interest] /100) /360

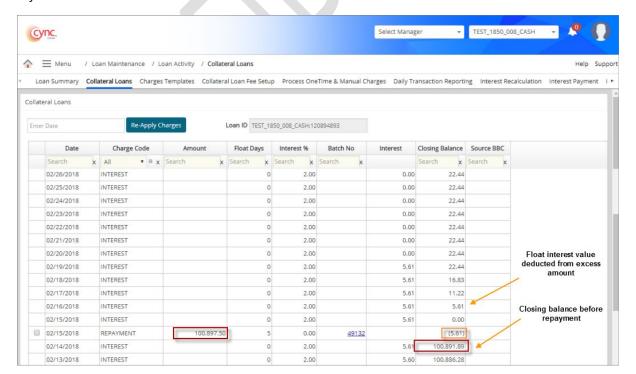
([37725.12*4]/100)/360 = 4.19





Excess Repayment

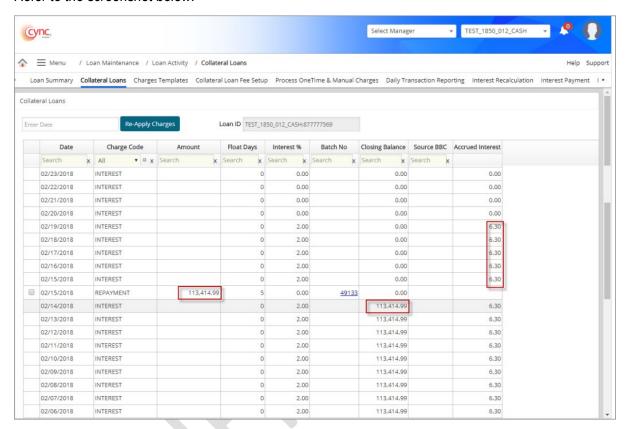
When excess repayment is made, float interest is calculated based on the loan balance before repayment for defined float days. The closing balance will be shown Negative, float interest value is deducted from excess amount and is posted on Closing Balance.





Full Repayment

When complete or exact repayment is made, float interest is calculated based on the closing balance before repayment for first day. Each day float interest is calculated by compounding the previous days float interest with the loan balance.



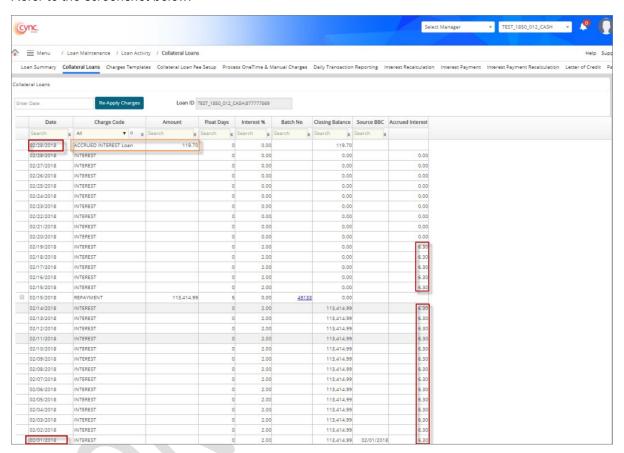


Accrue to Loan

Float interest is calculated based on the loan balance before repayment for the defined float days and each day float interest is posted in the respective day interest column. Accrue interest of the month is posted to the loan balance at the end of every month.

Accrue interest of the month = Sum of the each day interest for the month.

Refer to the screenshot below:



Partial Repayment

When partial repayment is done, the float interest is calculated based on the loan balance before repayment for defined float days. The float interest remains same for all the float days.

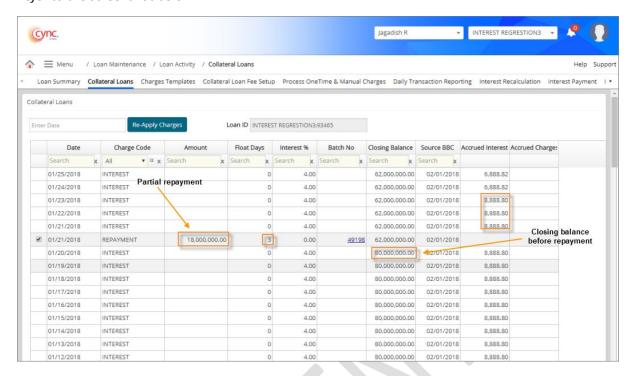
For example:

([Closing balance before repayment* interest]/100)/360

(80,000,000*4)/100)/360 = 8888.80

Float interest is calculated based on the system defined float days. For example: If float days are 3 then float interest is calculated for 3 days.





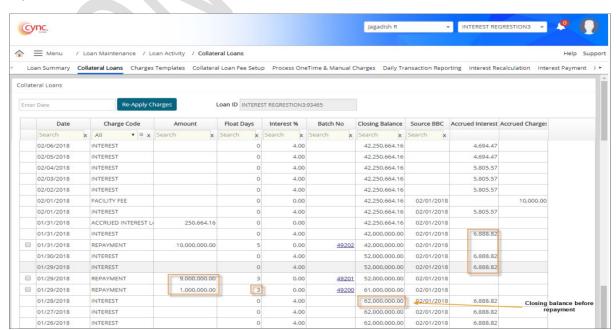
Multiple Repayments on the same day

When multiple repayments are done on the same day, the float interest is calculated based on the loan balance before repayment for defined float days. The float interest remains same for all the float days.

For example:

((Closing balance before repayment* interest) /100) /360 for 1st day

(62000000.00*4) /100) /360= 6888.82





Irrespective of the number repayments on the same day the float interest and float days remains same for all the repayments.

Consecutive day Repayment

When repayment is made for consecutive days, float interest is calculated based on the closing balance before 1st repayment for defined float days. The float interest remains same for all the float days.

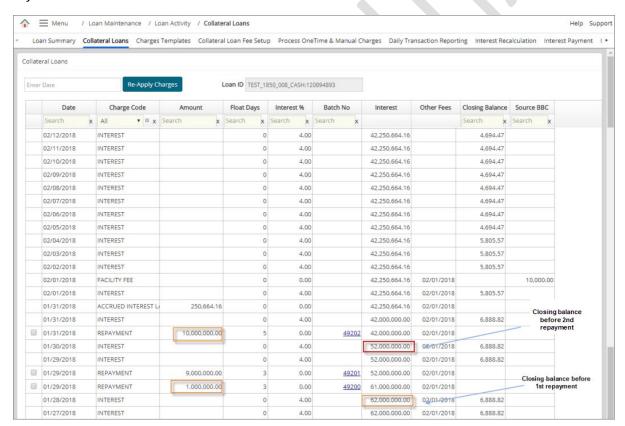
For example:

([Closing balance before repayment* interest] /100) /360

([6200000.00*4]/100)/360 = 6888.82

After the realization of first repayment float days, the float interest for the second repayment is calculated based the loan balance before the second repayment.

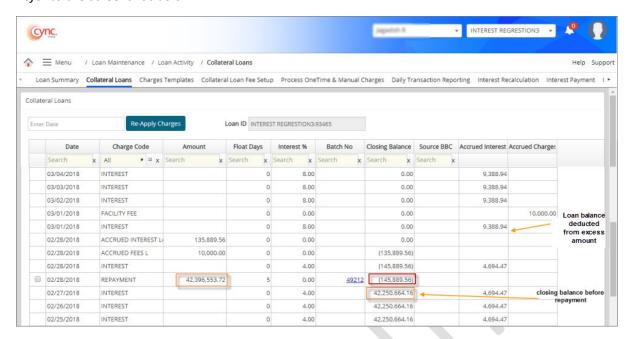
Refer to the screenshot below:



Excess Repayment

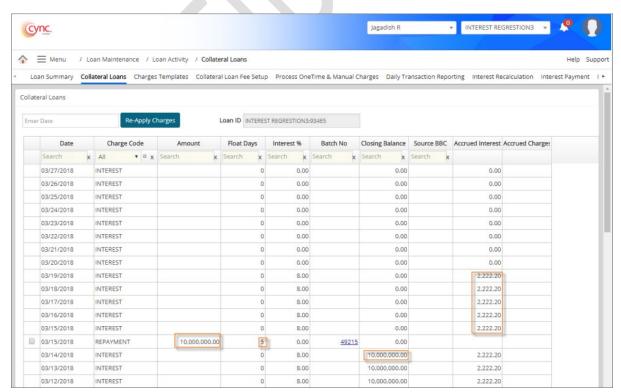
When excess repayment is made, float interest is calculated based on the loan balance before repayment for defined float days. The closing balance will be shown Negative, Accrue interest of the month is added to the loan balance at the end of the month and is deducted from this excess amount. This value is posted on Closing balance.





Full Repayment

When complete or exact repayment is made, float interest is calculated based on the closing balance before repayment for first day. The float interest remains same for all the float days.





Accrue to Statement

For Accrue to Statement preference, the overall interest of every month will be posted **under**Interest Payment page. When Statement Balance Before Loan Balance option is enabled and if the repayment is made through Cash Application, then the payment amount initially gets paid or deducted from the Accrued Fees, then from the Accrued interest and later from the Closing balance. The same can be viewed under Collateral Loans and Interest Payment page.

For example,

Accrued fees (From 11/01/2018 to 11/16/2018) = 160

Accrued Interest (From 11/01/2018 to 11/16/2018 = 1.11*16 = 17.76

Statement Balance (Summation of Accrued fees and Accrued interest) i.e. 160+17.76= 176.76

Closing Balance (till 11/16/2018) = 20,005.

Repayment made on (16/11/2018) is 100.

For 1_{st} repayment (16/11/2018), and Repayment amount =100

the repayment amount is initially paid off or deducted from Accrued fees.

Accrued fees= 160

160-**100** = 60 (Pending Accrued fee)

For 2nd Repayment (16/11/2018), and Repayment amount =100,

The repayment amount is paid off from the Pending Accrued fee, later from Accrued interest and then from closing balance.

Pending Accrued fee = **60**, 100-60 = 40 (pending repayment amount)

i.e., accrued fee is paid off,

Then pending repayment amount is deducted from Accrued interest.

Accrued Interest = **17.76**, i.e., 40-17.76 = 22.24 (pending repayment amount),

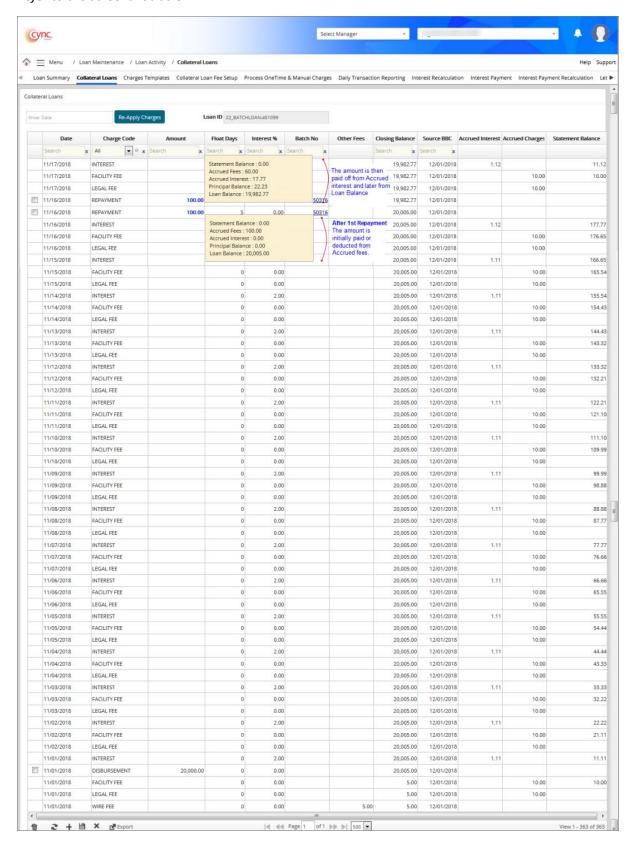
Accrued interest is paid off.

Later pending repayment amount is deducted from Closing balance

Closing Balance = 20,005, , i.e., 20005- **22.24** = 19982.77.

Repayment amount = 100 (60+17.76+22.24)







Hover the mouse under Amount column to view the tool tip with the details of applied repayment on each transaction as per the sequence (Accrued Fees, Accrued Interest & Balance Amount).

When loan balance becomes negative, the Float Interest is calculated as follows,

Float Interest = Opening Balance * Charge Rate.

