

VINYL - J. W. Ware/M. L. Nathan

Safety

The Vinyl and Yard Departments operated with one medical case type injury in December. The medical case involved an injury to the right knee of an employee. The employee was attempting to open a valve from a ladder with a pipe wrench. The pipe wrench slipped causing the employee to lose his balance and fall from the ladder. The injury was classified as a restricted workday case.

Shift safety meeting topics for the month included "Respirator Training" and "Polyperoxides-Vessel and Line Cleaning Procedures".

<u>Production</u>	<u>December</u>	<u>Y.T.D. (Fiscal 1984)</u>
1. Production, MM Lbs.	36.0	103.5
2. Daily Production Rate, M Lbs/C.D.	1161.2	1124.5
3. Total Charges	871	2527
4. Charges, Reactor Batches/C.D.	28.0	27.4
5. Reactor Stream Factor	92.0	91.2
6. Dryer Rate, Average Lbs./Hr.	10966	9901
7. Dryer Stream Factor	55.4	60.3
8. Accounting Days	31	92

Production

Vinyl Department production for December was 36.0MM pounds which was 100% of the Business Area's targeted production level.

Reactors

1. Downtime for cooling water jacket repairs on 741, 742, 743 and 744 reactors resulted in a stream factor penalty of 0.8%.
2. Miscellaneous maintenance items including D-700 sprayhead adjustment, reactor slow vent cleaning, and D-600 safety disc changeout resulted in a stream factor penalty of 0.9%.
3. A condenser cleaning on 745 reactor resulted in a stream factor penalty of 1.1%.
4. Downtime due to recovery system scheduling conflicts resulted in a stream factor penalty of 4.0%.
5. Six valve changeouts and maintenance on reactor valves resulted in a stream factor penalty of 0.7%.
6. Downtime due to no place to dump the reactor slurry resulted in a stream factor penalty of 0.1%.

VINYL - continuedDryers

1. Production was essentially reactor limited during full production periods in December. Dryers were shut down when possible for energy conservation purposes. The associated stream factor penalty was 40.3%.
2. Dryer downtime for routine dryer cleaning resulted in a stream factor penalty of 1.0%.
3. Dryer centrifuge pluggage resulted in a stream factor penalty of 0.6%.
4. Downtime due to bottlenecks in the sifter and pneumatic transfer systems resulted in a stream factor penalty of 1.1%.
5. Downtime due to dryer burner flameouts resulted in a stream factor penalty of 0.3%.
6. Downtime for checking/replacing dust collector socks resulted in a stream factor penalty of 0.5%.
7. Maintenance on dryer centrifuges, screeners, activators, exhausters, drives, etc. resulted in a stream factor penalty of 0.9%.

Product Quality Summary

<u>Resin Type</u>	<u>Prime</u>	<u>"BC"</u>	<u>"H"</u>	<u>% of Total Production</u>
5265	1,840,687	-	-	5.1
5305	2,621,754	-	-	7.3
5385	23,128,845	-	-	64.2
5425	5,614,285	-	-	15.6
5465	2,564,560	-	-	7.1
Sifter Overflow	-	-	61,673	0.2
Pond Resin	-	-	166,620	0.5
Total	35,936,751	-	228,293	100.0

Quality performance for December was 99.4% customer grade with 0.6% "H" grade production.

A total of four railcars were shipped as "B" grade during the month which represented 2.6% of the 151 total resin hopper cars shipped.

<u>Ship Date</u>	<u>Car No.</u>	<u>Customer</u>	<u>Product</u>	<u>Reason</u>
12/10/84	PTLX 41661	Osterman	5425	Derailed Material
12/20/84	VIPX 45805	Extrusion Technology	Resifted Sifter Overflow	Quality
12/21/84	PLCX 42993	Osterman	5425	Derailed Material
12/28/84	PTLX 41639	Extrusion Technology	Resifted Sifter Overflow	Quality

VINYL - continued

The vinyl area received twenty-seven short lead time emergency type orders comprising 9.0% of the 297 Aberdeen resin shipments in December.

Monthly Variable Cost Performance

Variable costs for the month were favorable \$651.5M with \$534.5M due to price and \$117.0M due to efficiency. Resin variable cost for the month was 18.563 ¢/lb. versus the budgeted 20.384 ¢/lb.

The \$534.5M favorable price variance was primarily attributed to lower than budgeted pricing for VCM, \$562.4M; and lower than budgeted pricing for Lupersol 223 initiator, \$19.8M.

The \$117.0M favorable efficiency variance can be attributed to lower than budgeted VCM efficiency, \$49.4M; and lower than budgeted efficiency in the utilities area, \$26.5M.

VCM efficiency for the month was 0.99701 lbs. VCM/lb. PVC versus the budgeted 1.00500 lbs. VCM/lb. PVC. Year-to-date VCM efficiency is 1.00100.

Y.T.D. variable cost efficiency variances in the Vinyl Department totaled \$259.1M favorable.

Energy Performance/Progress

1. Plant energy consumption was 2491 BTU/lb.
2. A total of twenty-five steam leaks and ten steam traps were repaired/replaced during the month.

General

1. Packaging for the month totaled 308,073 pounds.
2. Resin raw material in the 744 account totaled \$198.2M at month end.
3. The screen bowl centrifuge was installed and tested during the month. Acceptable levels of washing efficiency could not be obtained with the test centrifuge.
4. A mixed suspending agent test run was conducted during the month. Preliminary results are encouraging.