

D5133 Gel Index

GIC18 Data summary

May 21, 2024

GIC18 Reference Oil Industry Data Summary

GI Pooled s - GELIti 19000000 -99999999 LTMS DATE date DSTEMP

The GLM Procedure

Class Level Information		
Class	Levels	Values
ind	1	GIC18

Number of Observations Read	76
Number of Observations Used	76

GELIti: Mean and Standard Deviation

GI Pooled s - GELIti 19000000 -99999999 LTMS DATE date DSTEMP

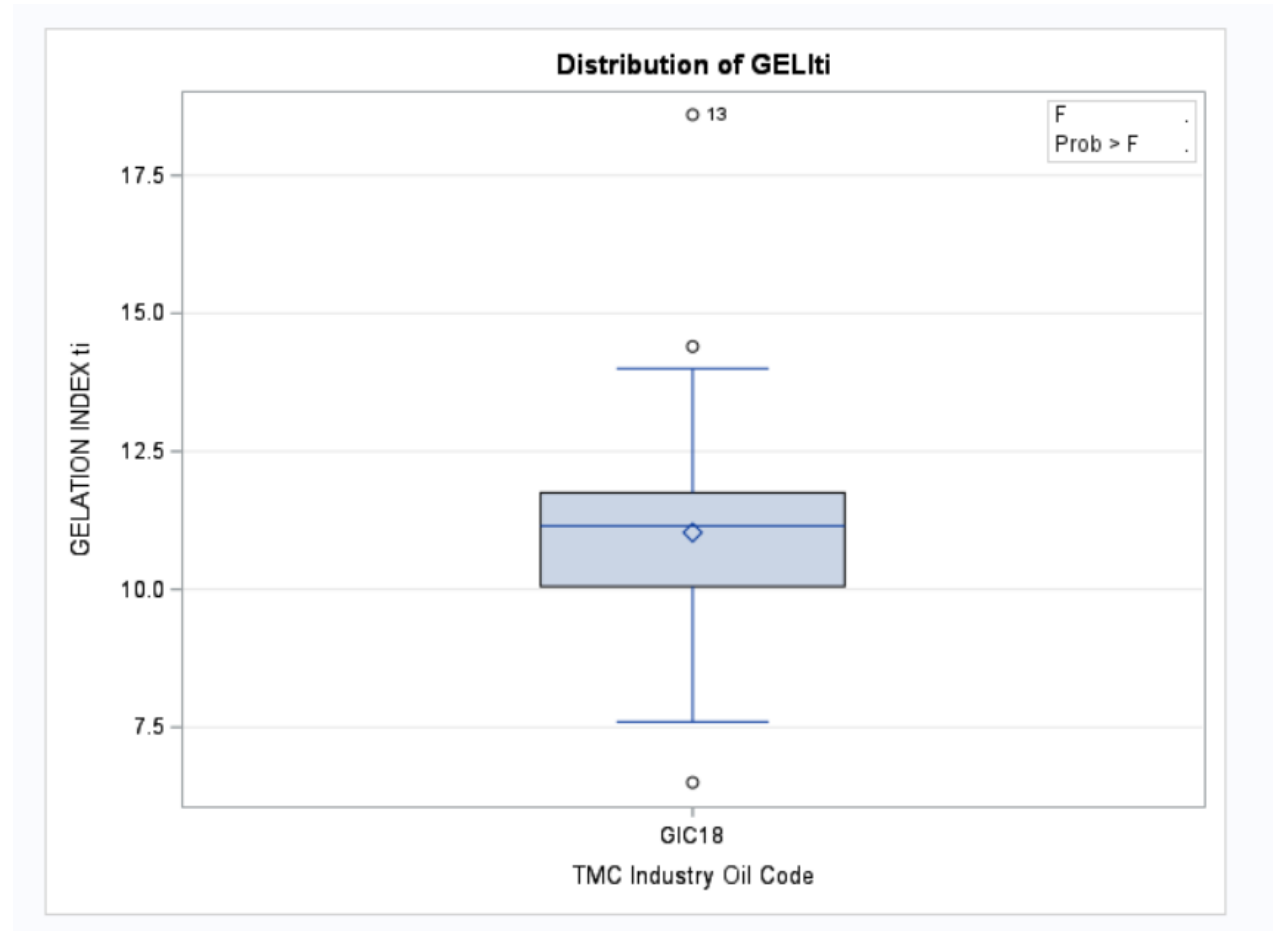
The GLM Procedure

Dependent Variable: GELIti GELATION INDEX ti

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	0	0.0000000	.	.	.
Error	75	215.1163158	2.8682175		
Corrected Total	75	215.1163158			

R-Square	Coeff Var	Root MSE	GELIti Mean
0.000000	15.35578	1.693581	11.02895

GIC18 Mean Box and Whisker Plot



GELIyi: Shewhart Severity

GI Pooled s - GELIyi 19000000 -99999999 LTMS DATE date DSTEMP

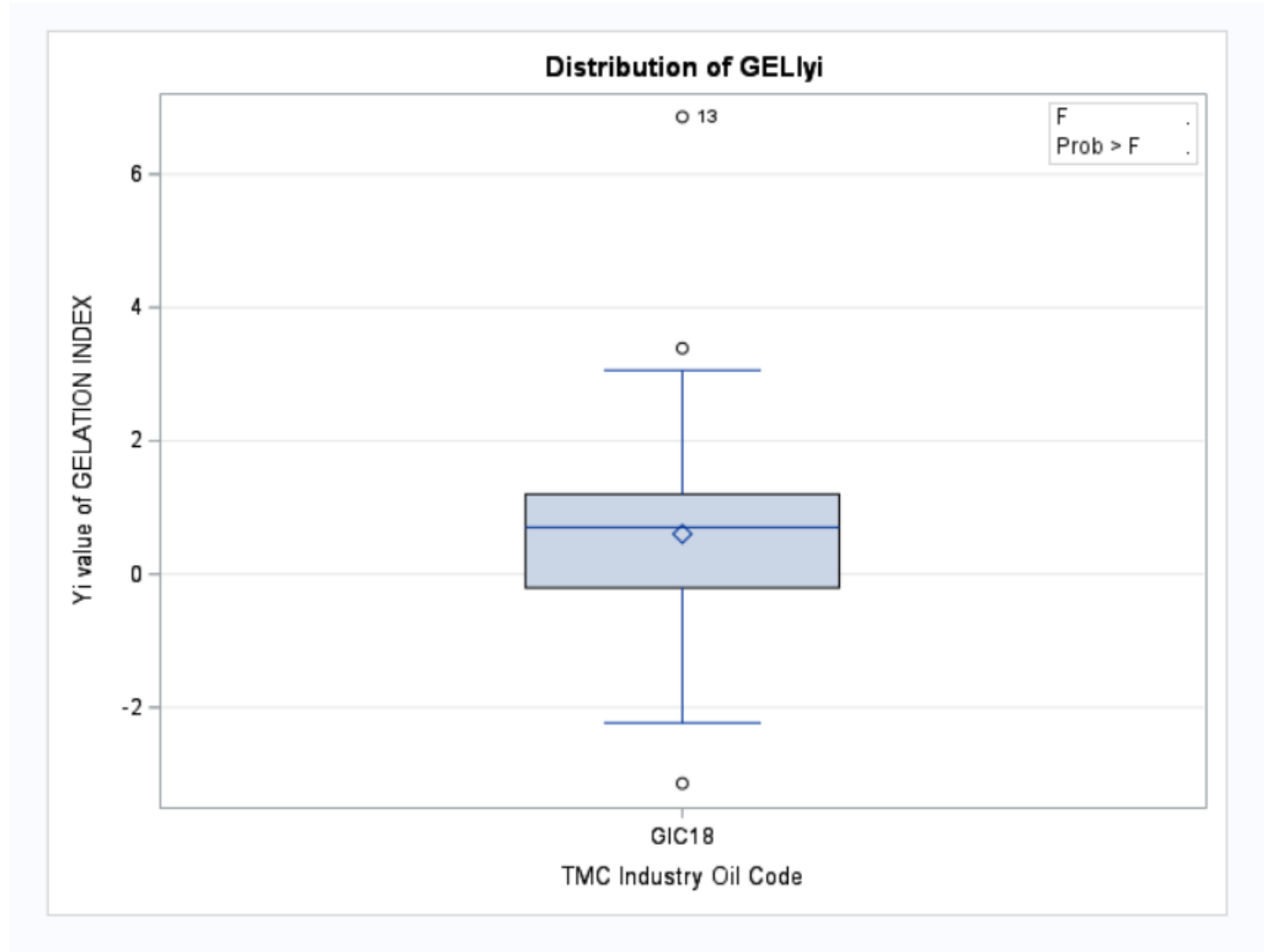
The GLM Procedure

Dependent Variable: GELIyi Yi value of GELATION INDEX

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	0	0.0000000	.	.	.
Error	75	146.9273382	1.9590312		
Corrected Total	75	146.9273382			

R-Square	Coeff Var	Root MSE	GELIyi Mean
0.000000	232.3324	1.399654	0.602436

Shewhart Severity Plot: Gel Index of GIC18



Suggested Acceptance Bands for GIC18 (n=76; mean=11.0; s=1.69)

REF OILS	UP/Target/LOW LIMITS		
	Current		
1009	6.0	7.3	8.6
GIA17	15.4	19.0	22.7
GIC18	7.9	10.3	12.7
58 (Discrm)	<6.0	5.8	7.2

REF OILS	UP/Target/LOW LIMITS		
	Proposed Revised		
1009	6.0	7.3	8.6
GIA17	15.4	19.0	22.7
GIC18	7.7	11.0	14.3
58 (Discrm)	<6.0	5.8	7.2