CAT AERATION OPERATIONAL DATA

December 3, 2014

Performance you can rely on.

Data available: 11 tests

FTP directory /refdata/diesel/coat/data/matrix op data/ at ftp.astmtmc.cmu.edu.

Welcome to the Test Monitoring Center FTP Server

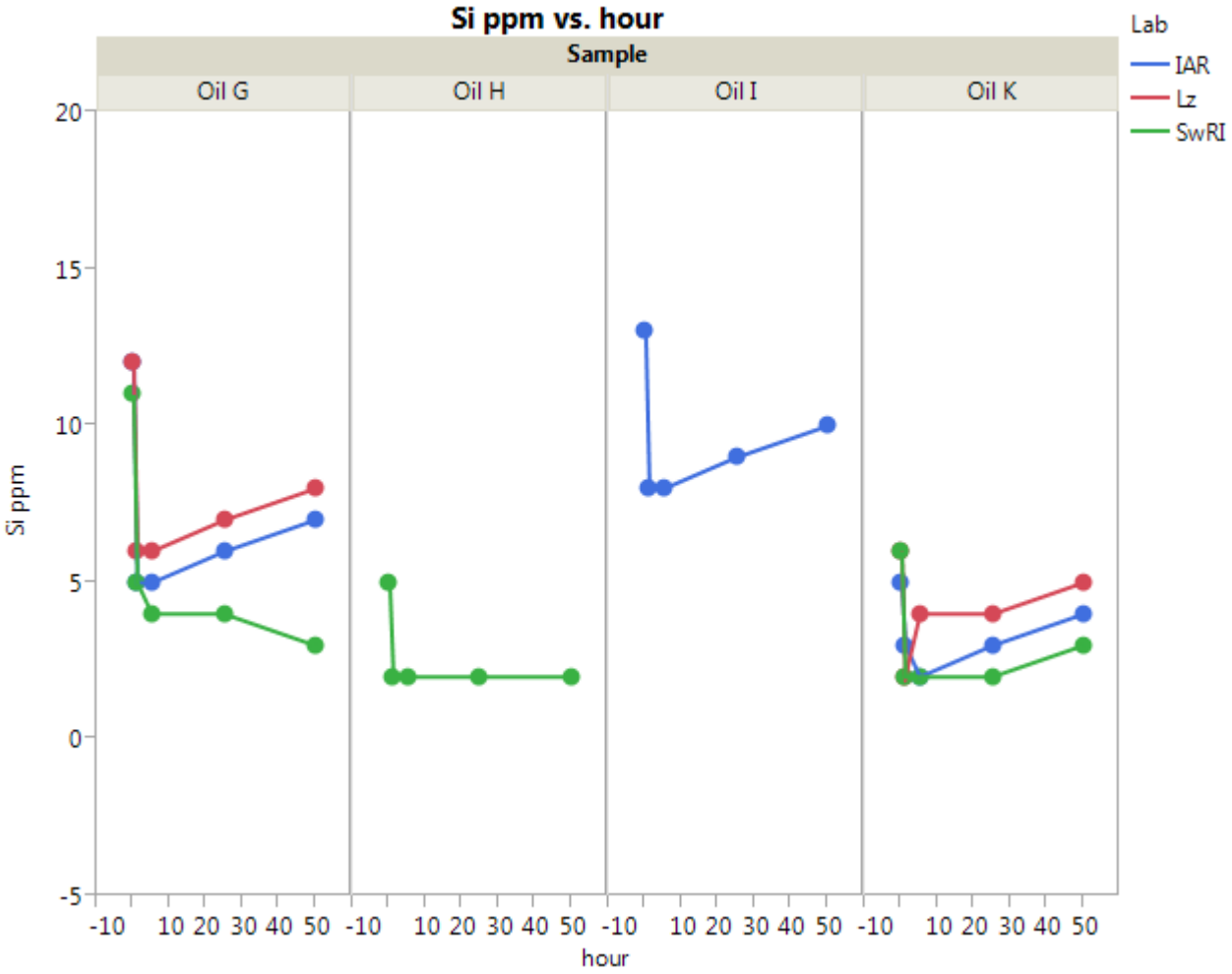
	<DIR> ..	
08/27/14 02:55PM [GMT]	17,574	CAT Aeration Data Template.xlsx
11/19/14 01:20PM [GMT]	9,142,177	Lubrizol Test#1 CMIR#104081 (i R1 Repeat).xlsx
11/19/14 01:20PM [GMT]	8,711,519	Lubrizol Test#2 CMIR#103459 (k R1).xlsx
11/19/14 01:22PM [GMT]	8,849,810	Lubrizol Test#3 CMIR#103625 (g R1).xlsx
11/18/14 11:17AM [GMT]	6,216,000	SwRI Oil G Run 1 CMIR-103623 (TMC Template).xlsx
11/24/14 02:01PM [GMT]	6,620,378	SwRI Oil H Run 1 CMIR-103450 (TMC Template).xlsx
11/18/14 11:17AM [GMT]	5,829,532	SwRI Oil J Run 1 CMIR-103463 (TMC Template).xlsx
11/18/14 11:18AM [GMT]	5,281,983	SwRI Oil K Run 1 CMIR-103457 (TMC Template).xlsx
11/18/14 11:39AM [GMT]	6,353,424	SwRI Oil L Run 1 CMIR-103955 (TMC Template).xlsx
11/25/14 11:14AM [GMT]	3,138,046	TMC EG13 STRUN8 SOT141105.xlsx
11/25/14 11:12AM [GMT]	3,502,125	TMC EG4 STRUN9 SOT141107.xlsx
11/25/14 11:12AM [GMT]	3,254,695	TMC EG8 STRUN7 SOT141029.xlsx

Lab	Sample	Run ID
EG	Oil G	RUN7
EG	Oil I	RUN8
EG	Oil K	RUN9
LZ	Oil G	Test#3
LZ	Oil I	Test#1
LZ	Oil K	Test#2
SW	Oil G	60-80
SW	Oil H	60-82
SW	Oil J	60-79
SW	Oil K	60-78
SW	Oil L	60-81

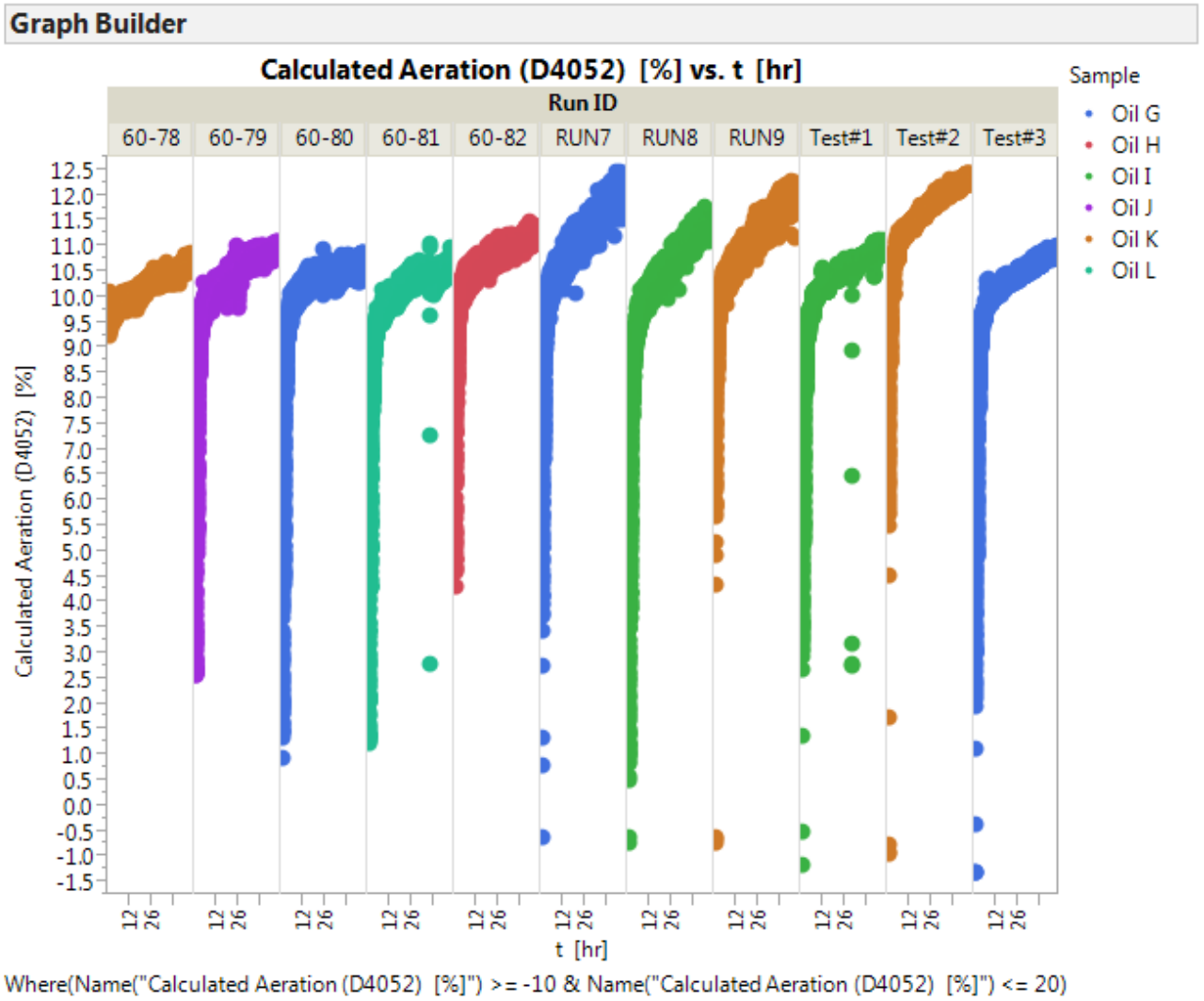
Silicon

Sample	Lab	Run ID	N Rows	Si ppm (0 hr)	Si ppm (1 hr)	Si ppm (5 hr)	Si ppm (25 hr)	Si ppm (50 hr)
Oil G	EG	RUN7	6002	12	5	5	6	7
Oil I	EG	RUN8	6001	13	8	8	9	10
Oil K	EG	RUN9	6002	5	3	2	3	4
Oil G	LZ	Test#3	5999	12	6	6	7	8
Oil I	LZ	Test#1	5999	17	11	11	12	12
Oil K	LZ	Test#2	5999	6	2	4	4	5
Oil G	SW	60-80	6000	11	5	4	4	3
Oil H	SW	60-82	6000	5	2	2	2	2
Oil J	SW	60-79	5999	10	4	4	4	4
Oil K	SW	60-78	6000	6	2	2	2	3
Oil L	SW	60-81	6000	14	8	8	7	8

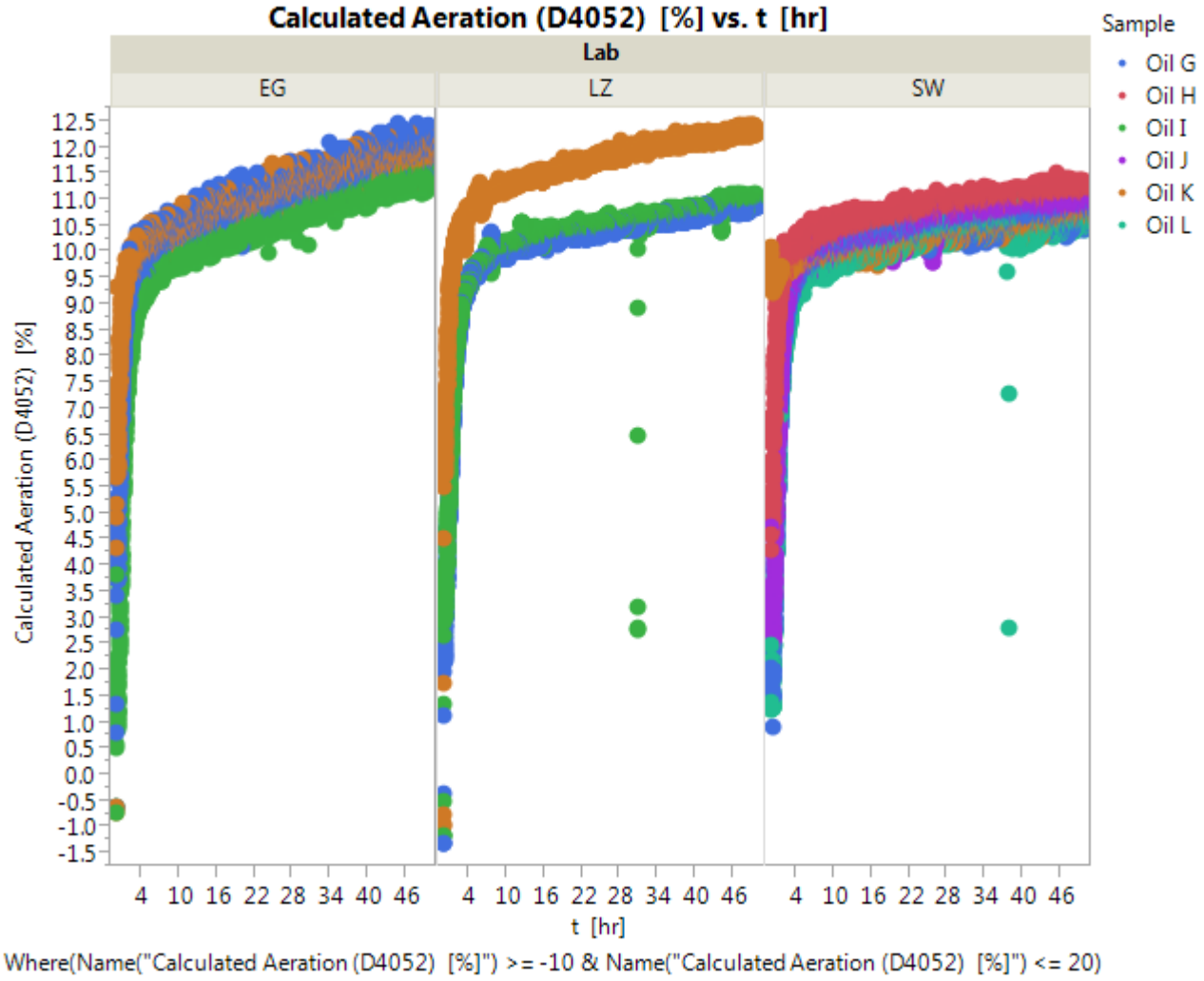
Silicon by Oil and Lab



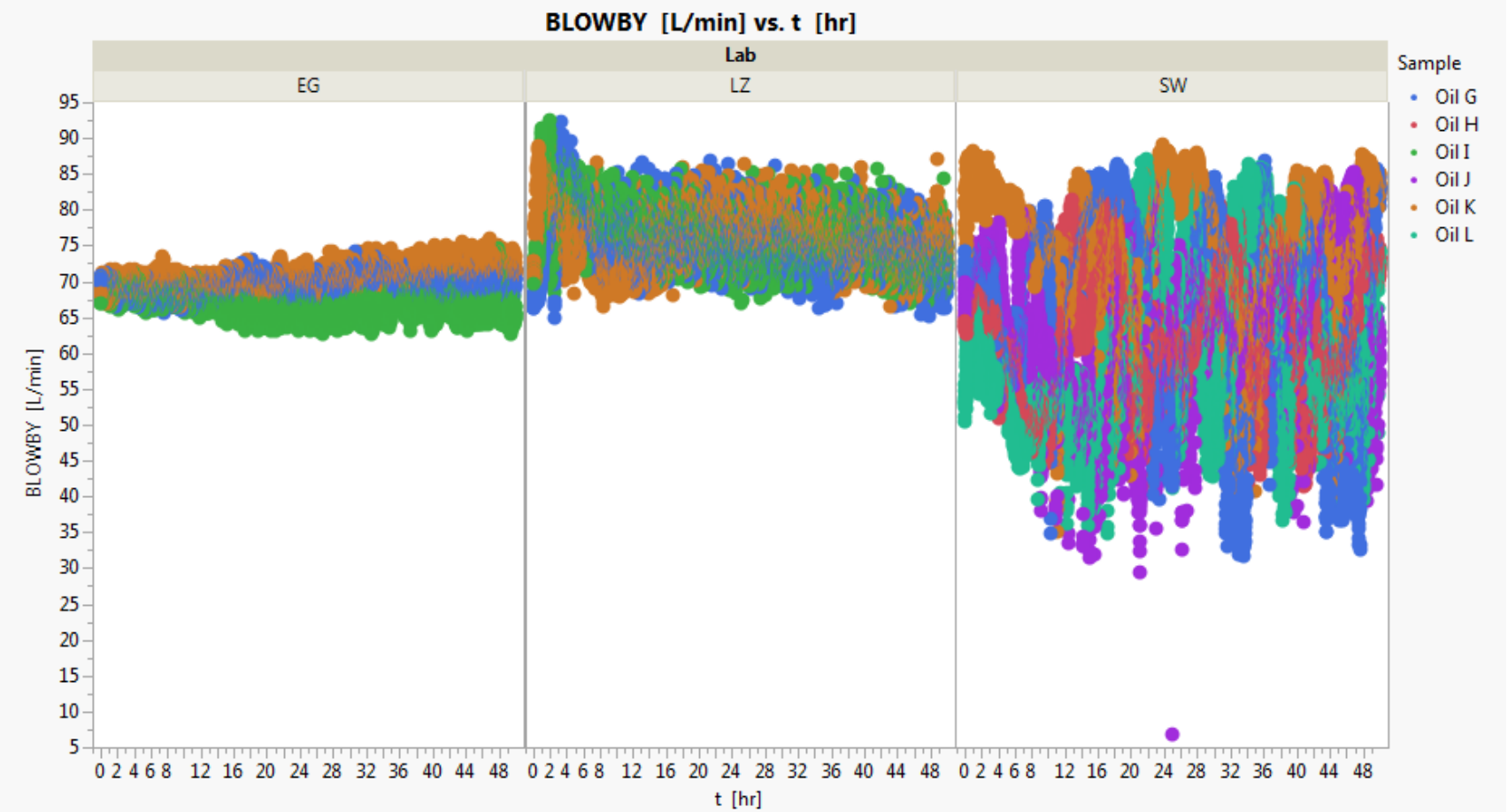
Aeration D4052



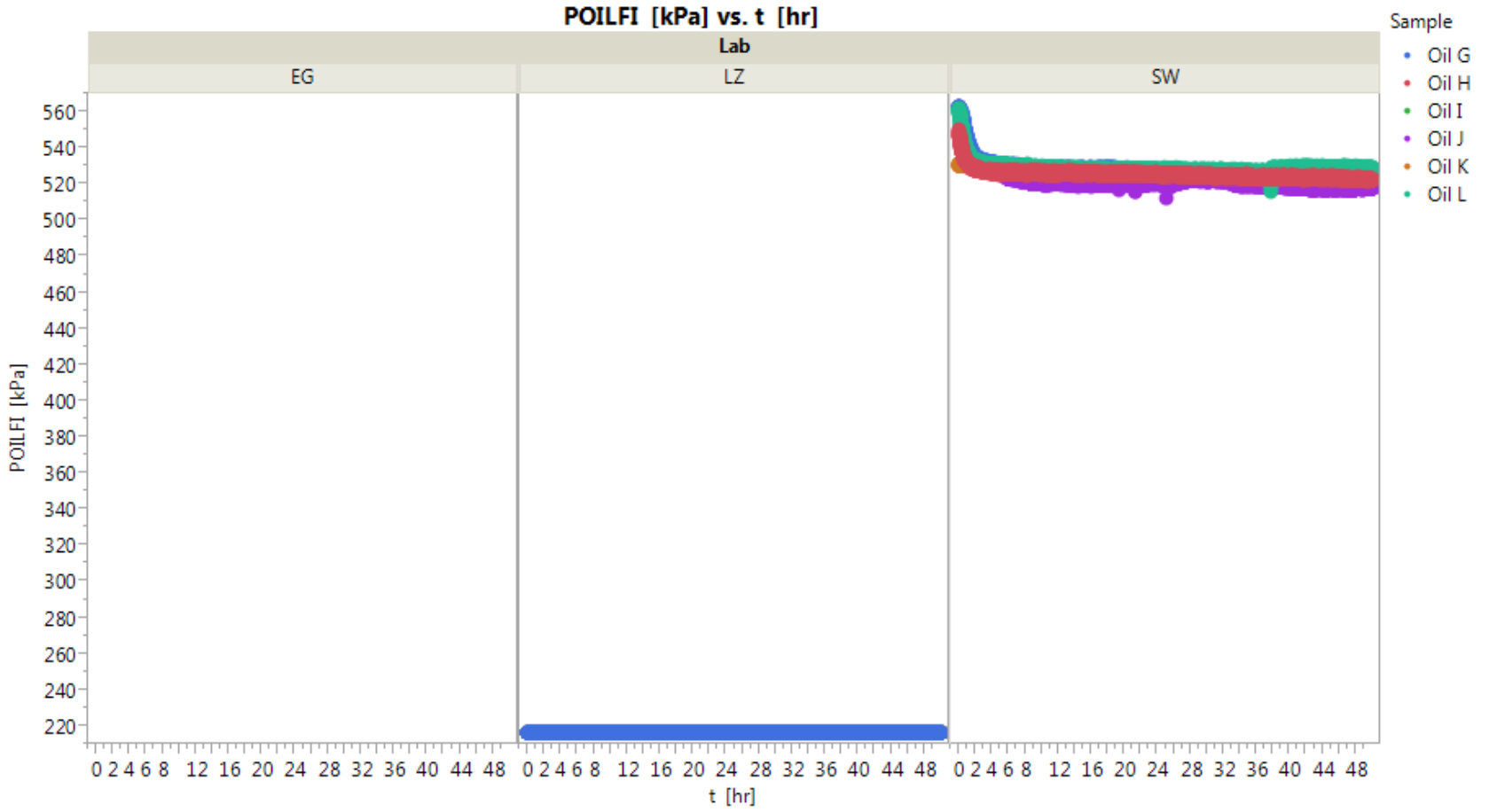
Aeration D4052 by Lab



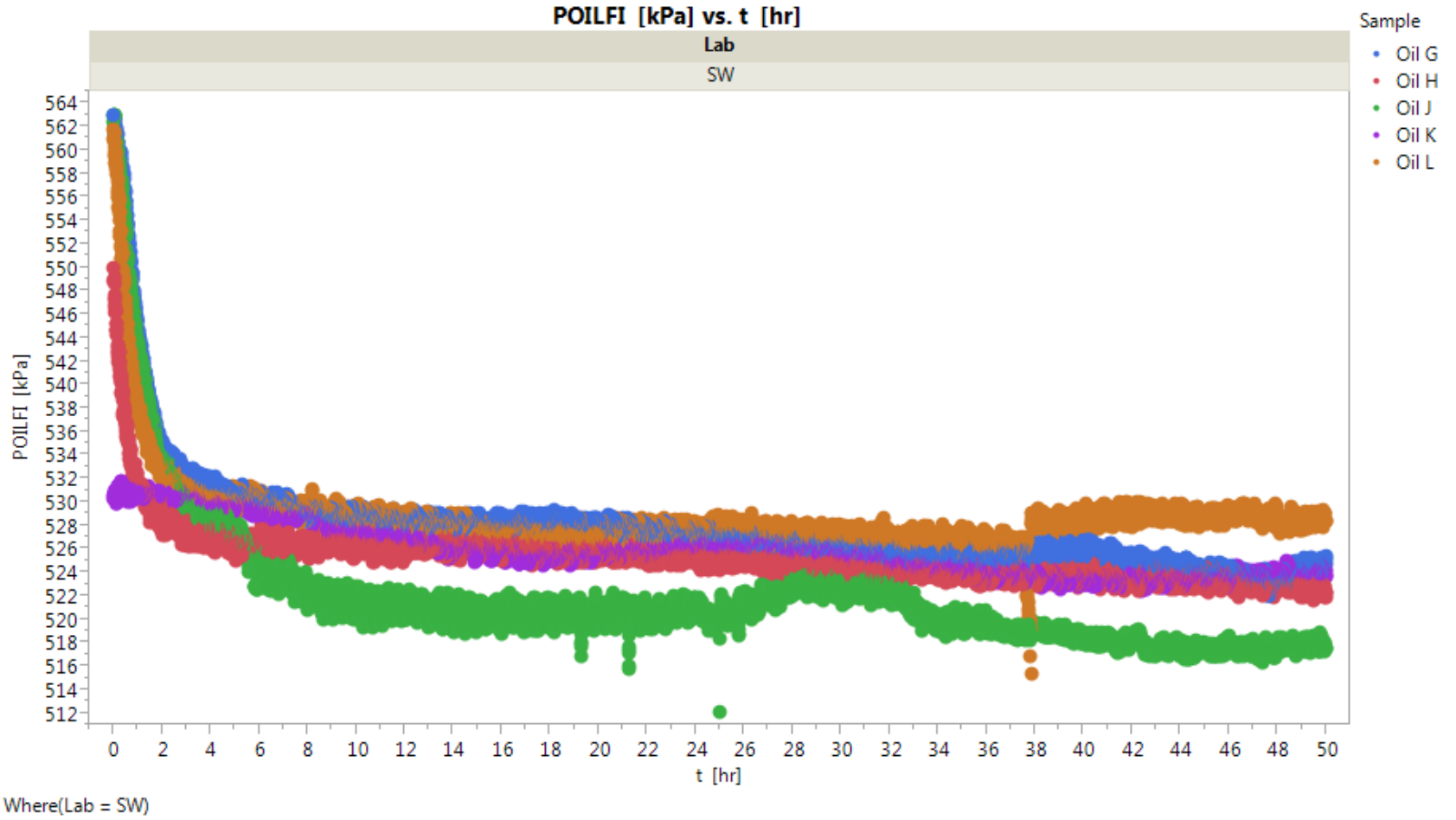
Blowby



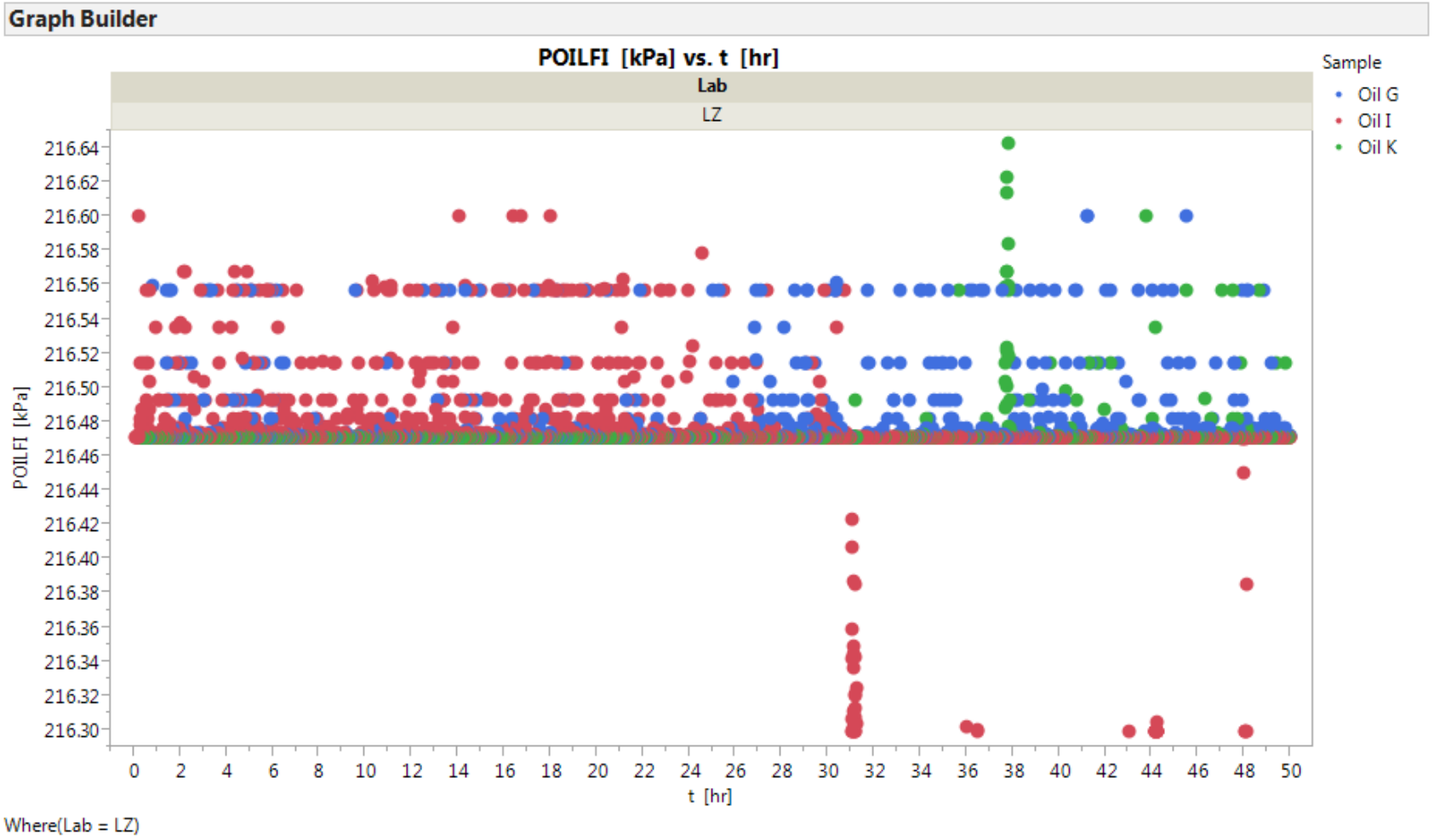
Pressure Oil Filter In



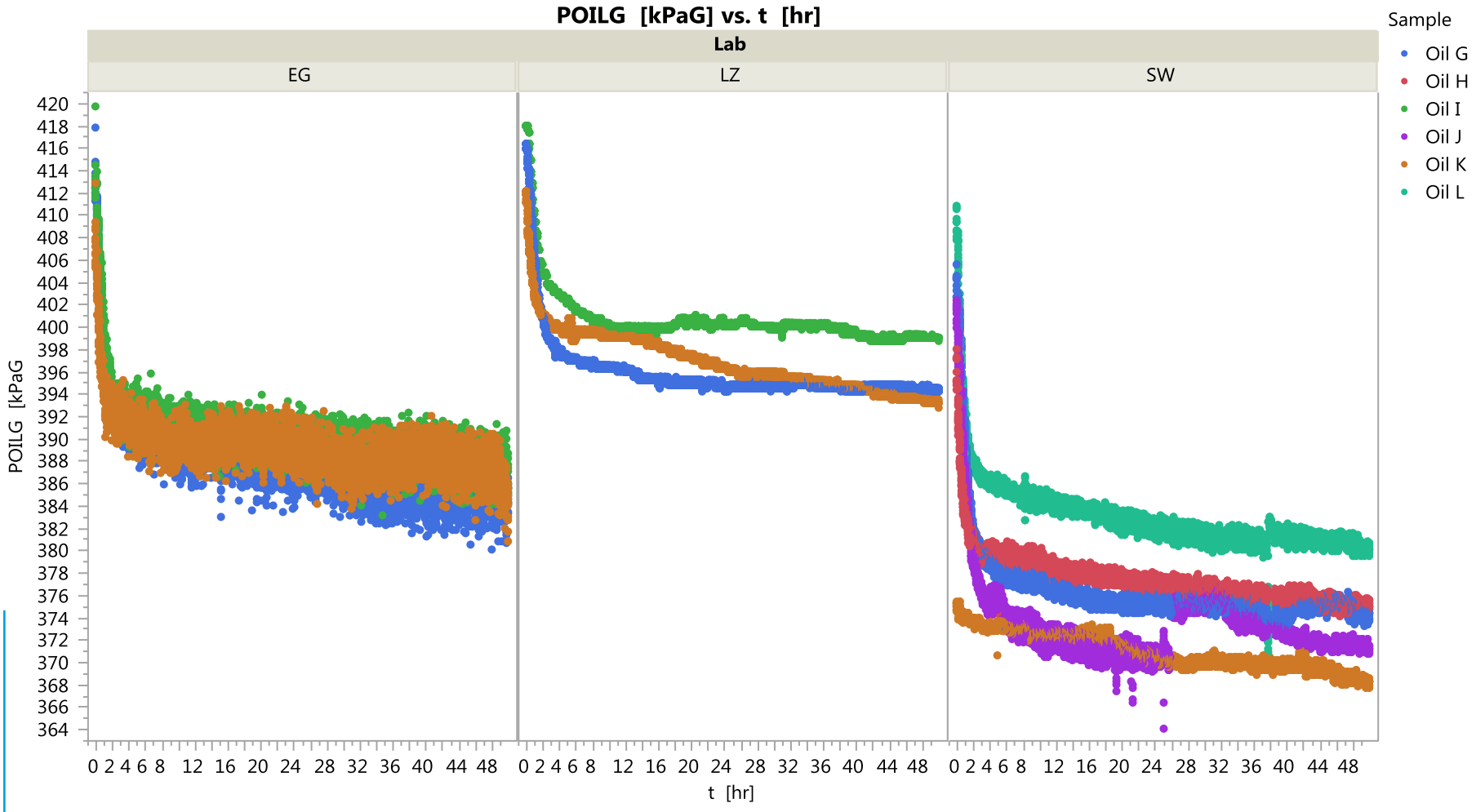
Pressure Oil Filter In (SwRI)



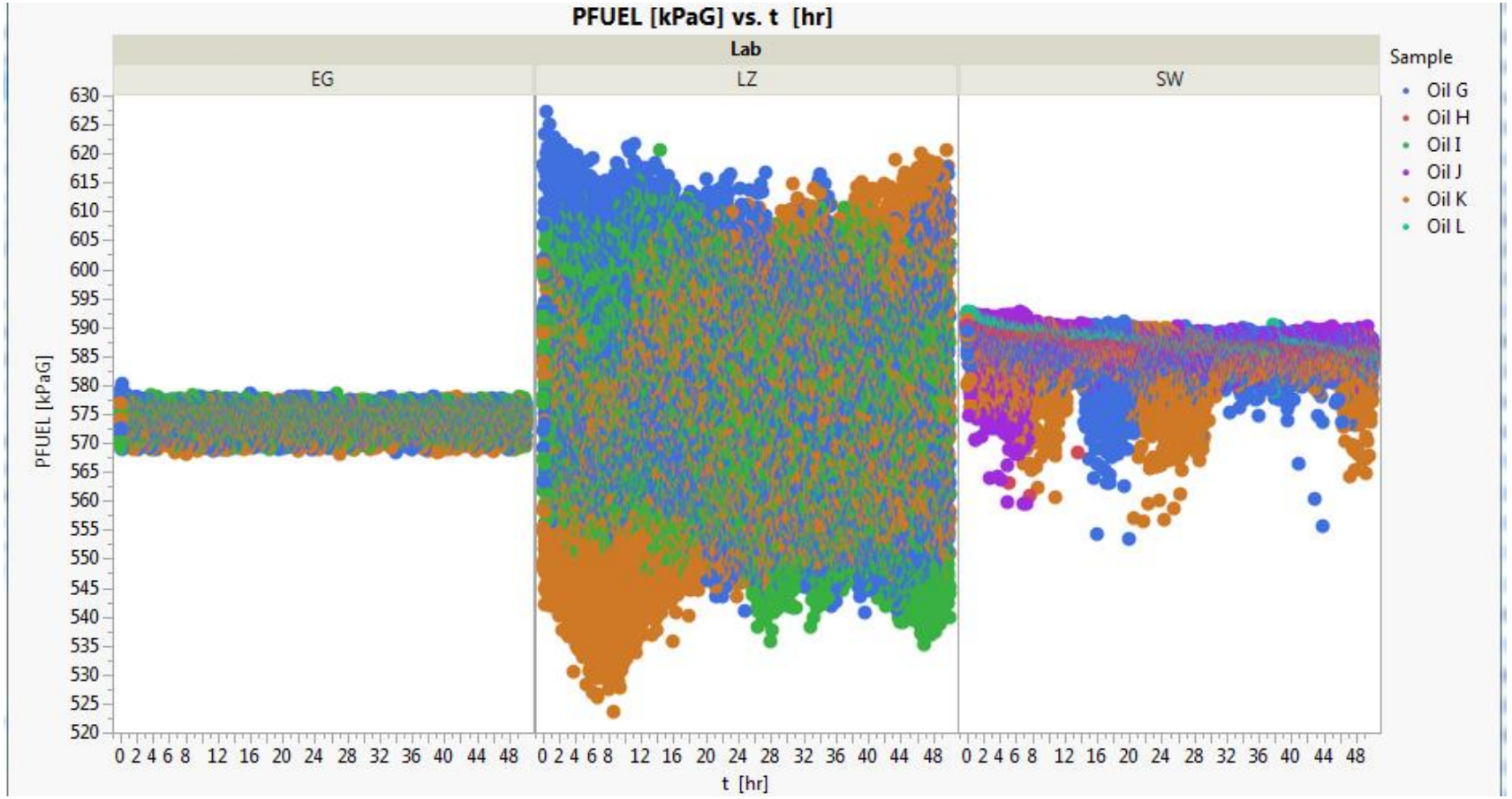
Pressure Oil Filter In (LZ)



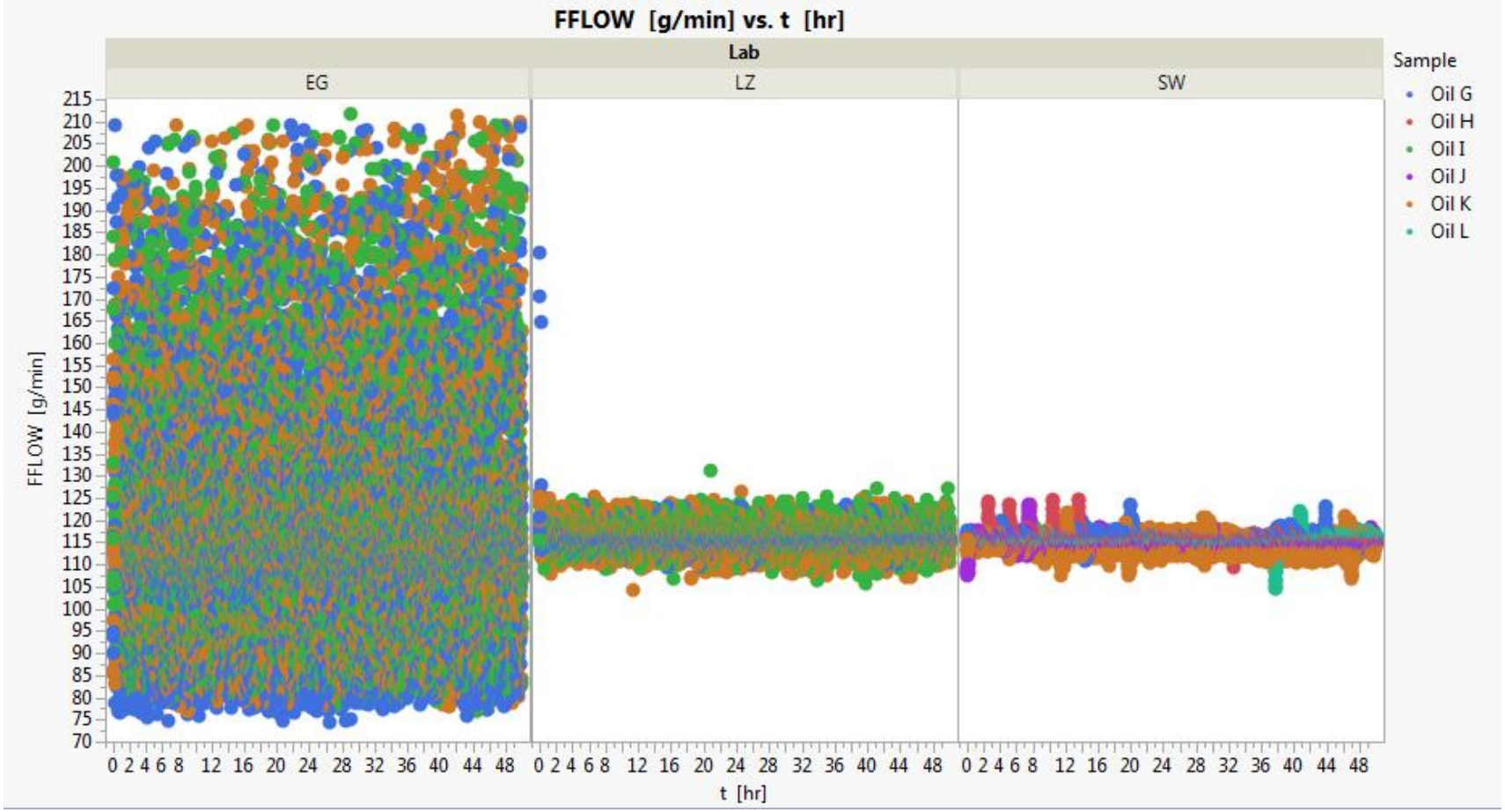
Pressure Oil Gallery



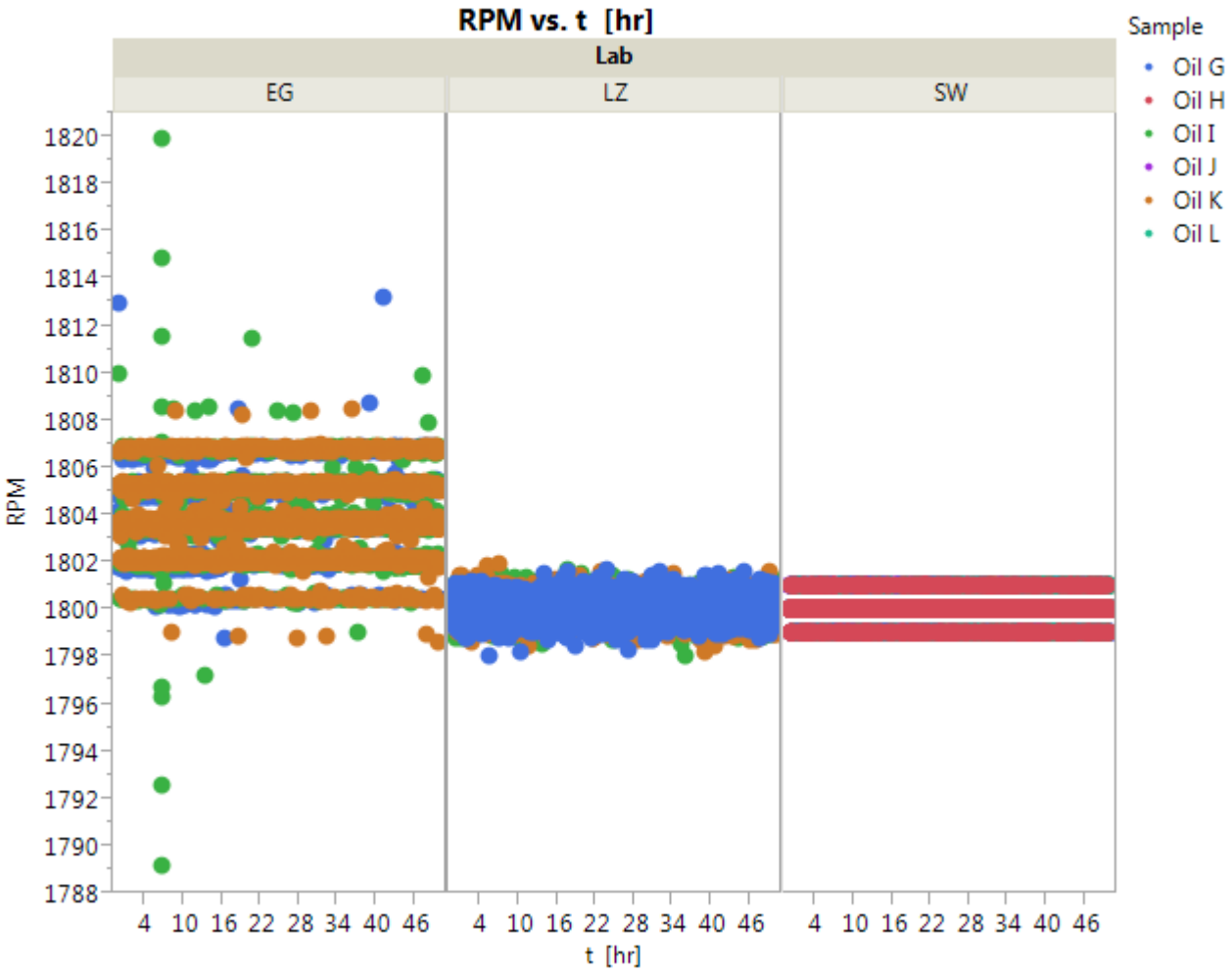
Fuel Pressure



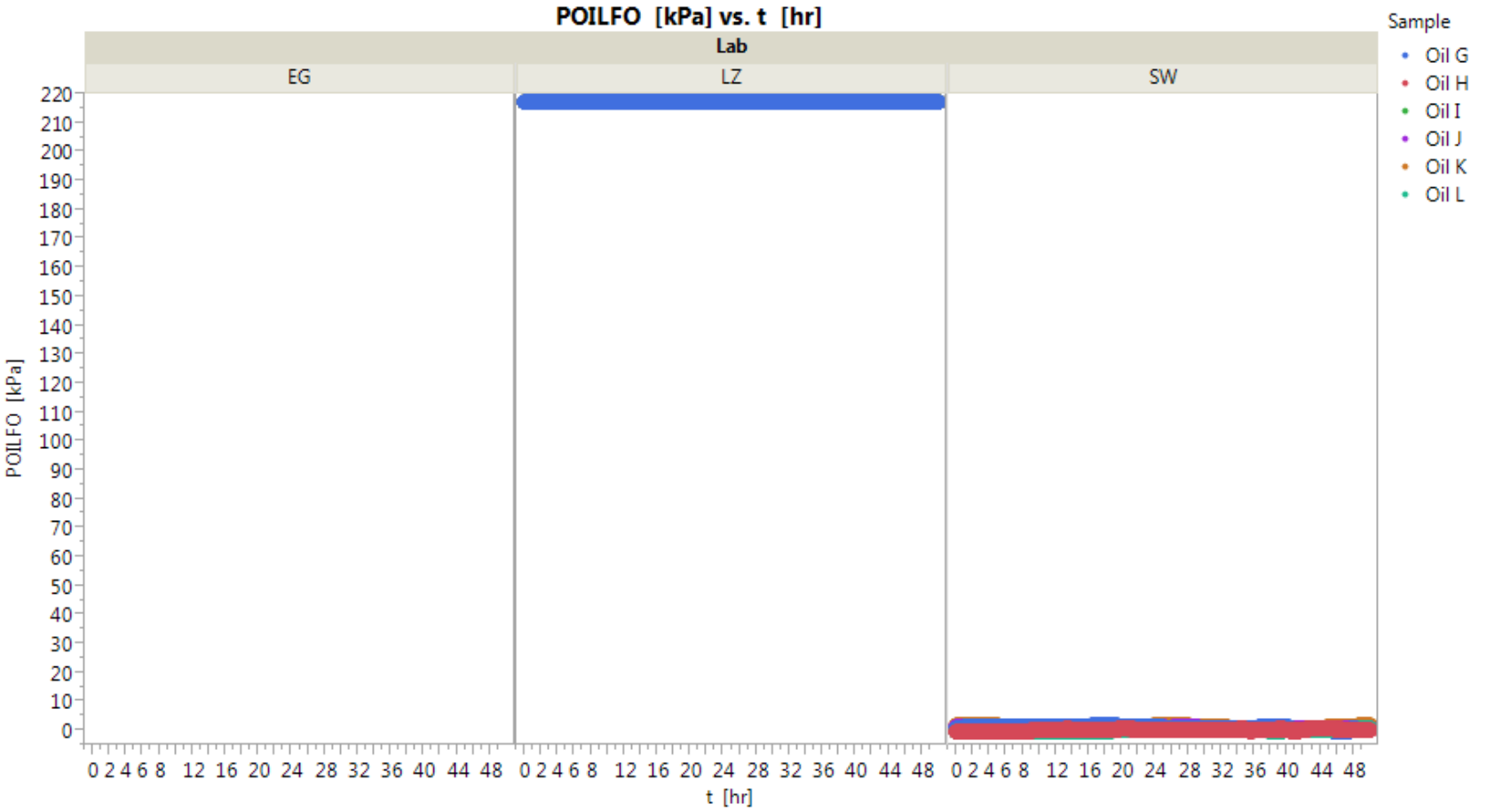
Fuel Flow



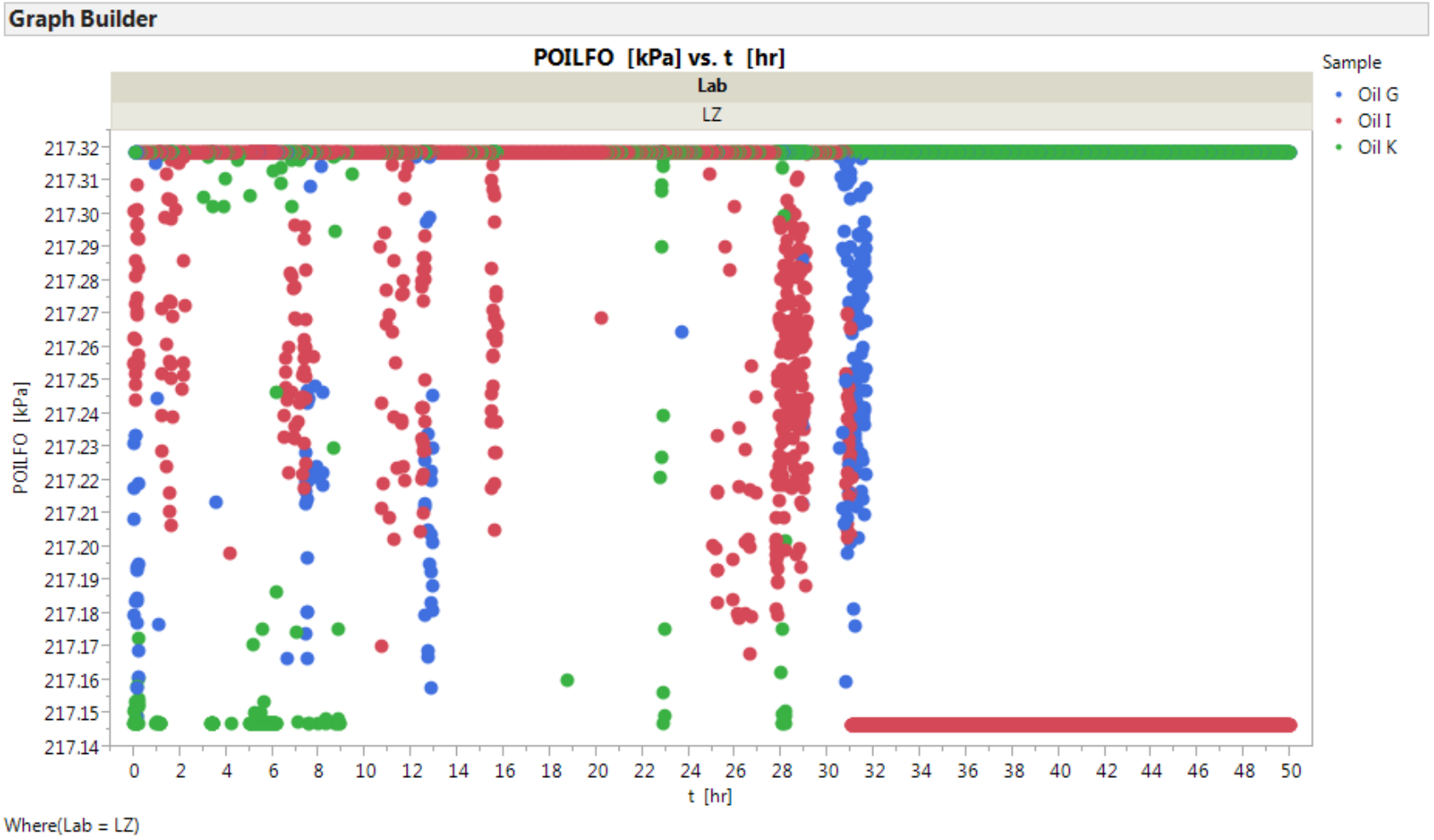
Engine Speed



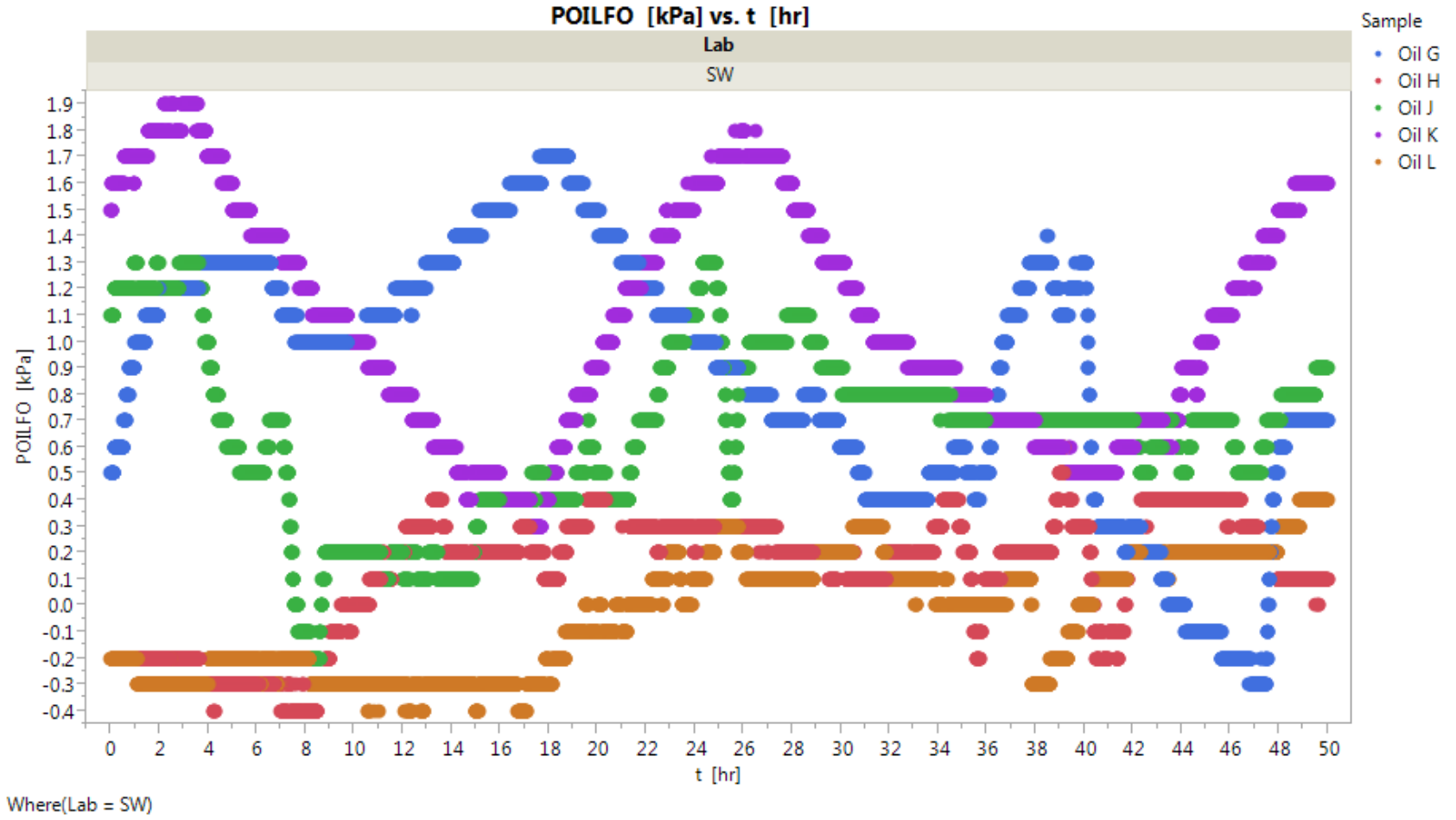
Pressure Oil Filter Out



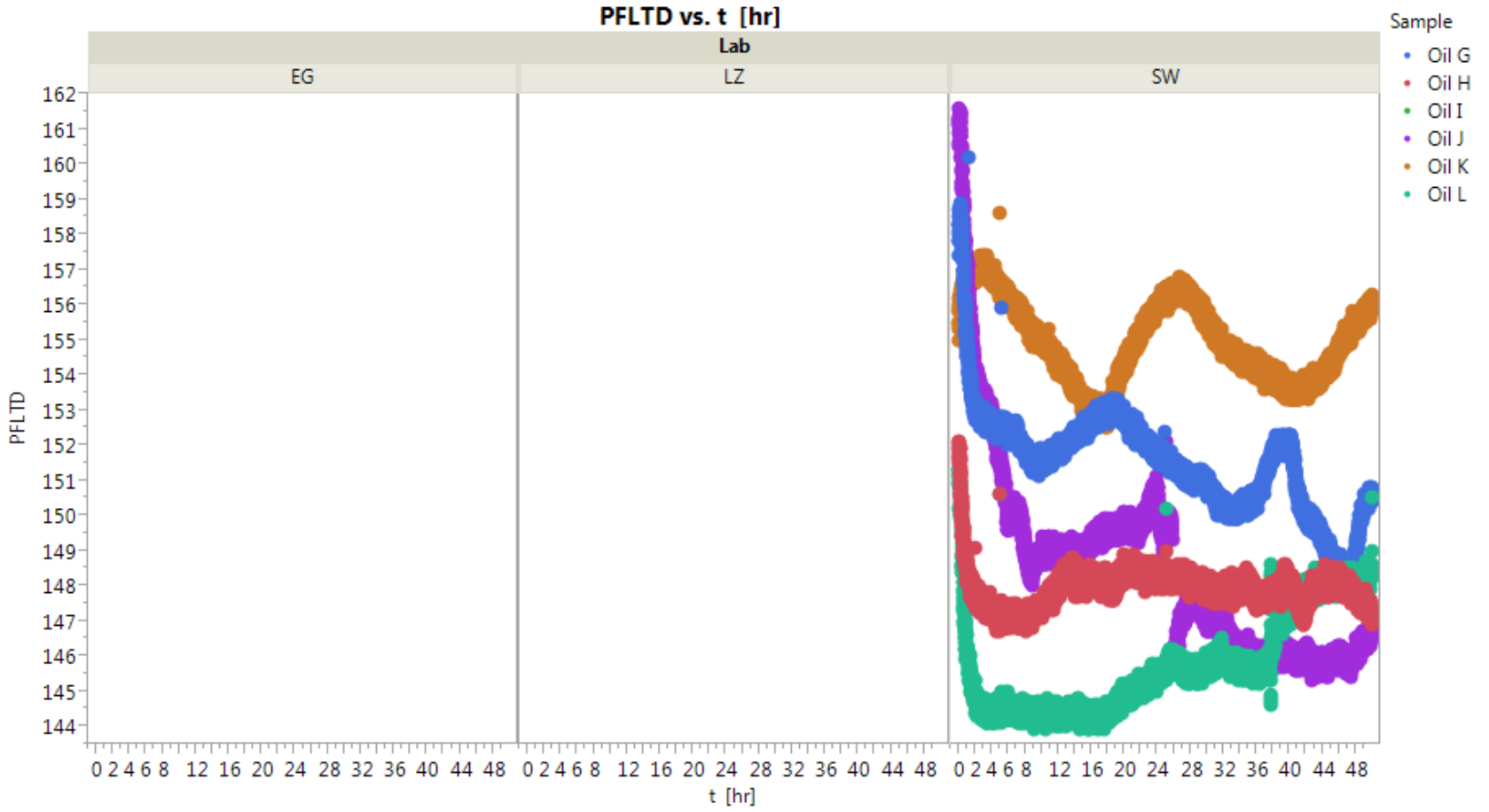
Pressure Oil Filter Out (LZ)



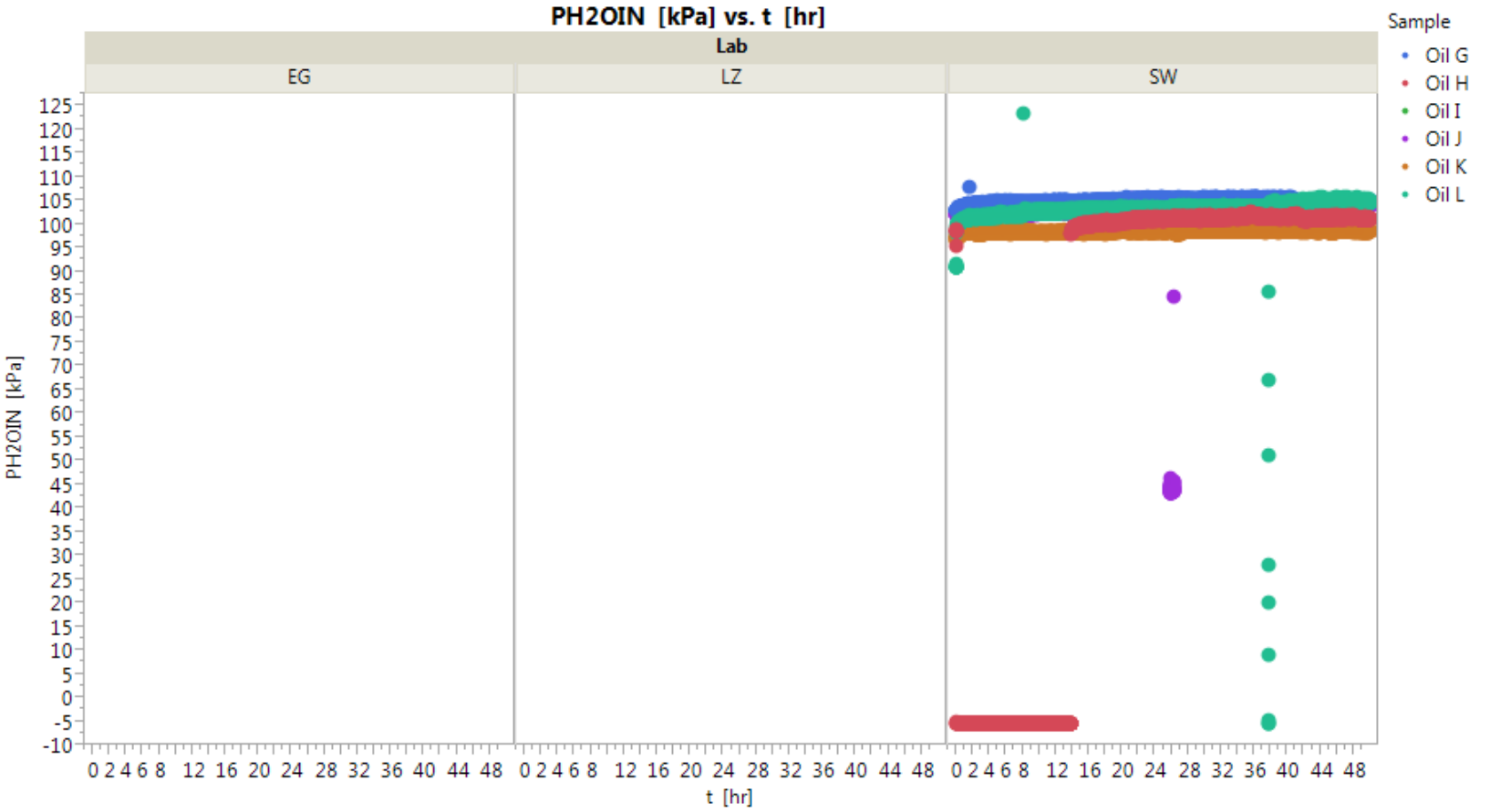
Pressure Oil Filter Out (SwRI)



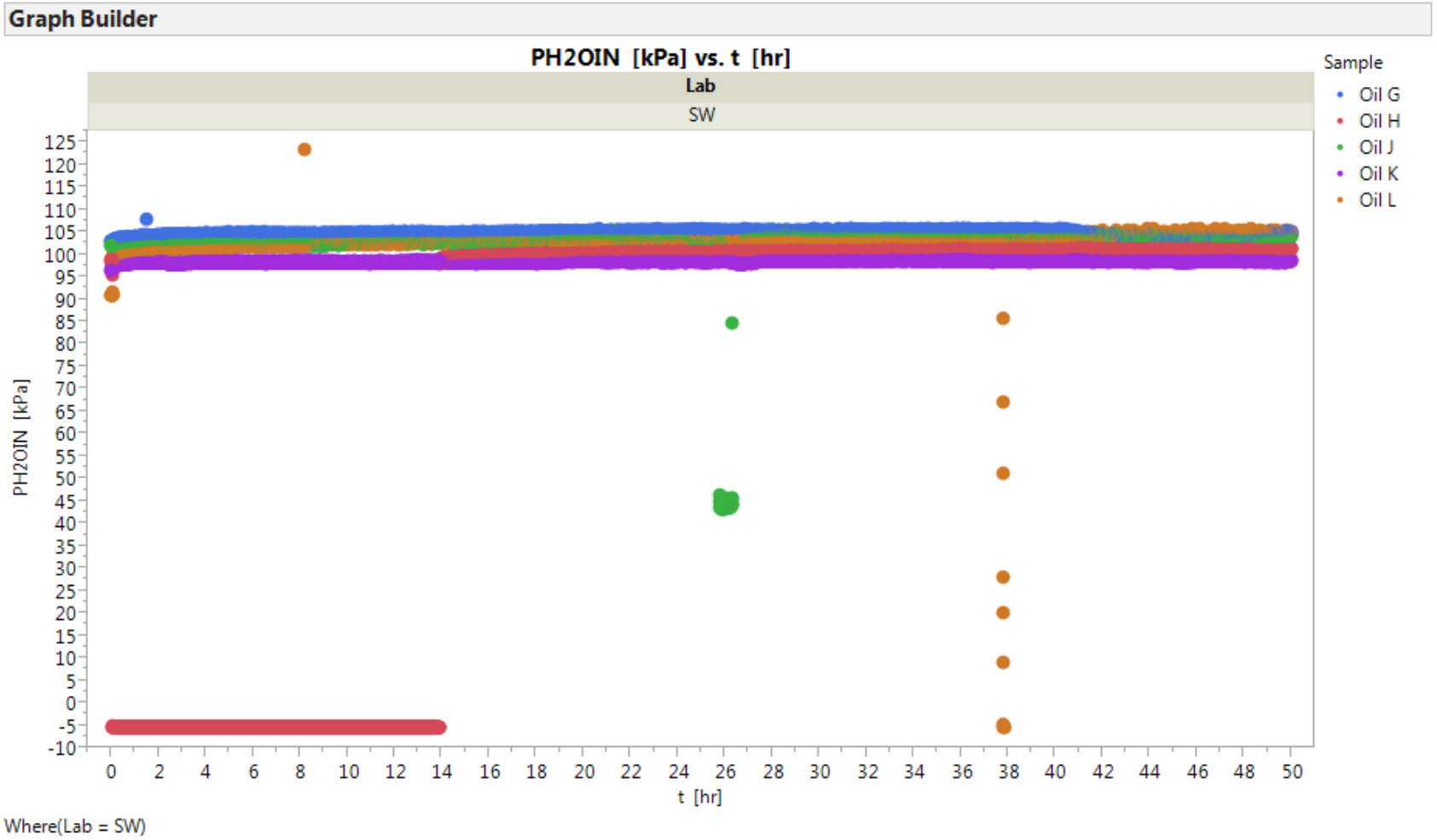
Filter pressure delta



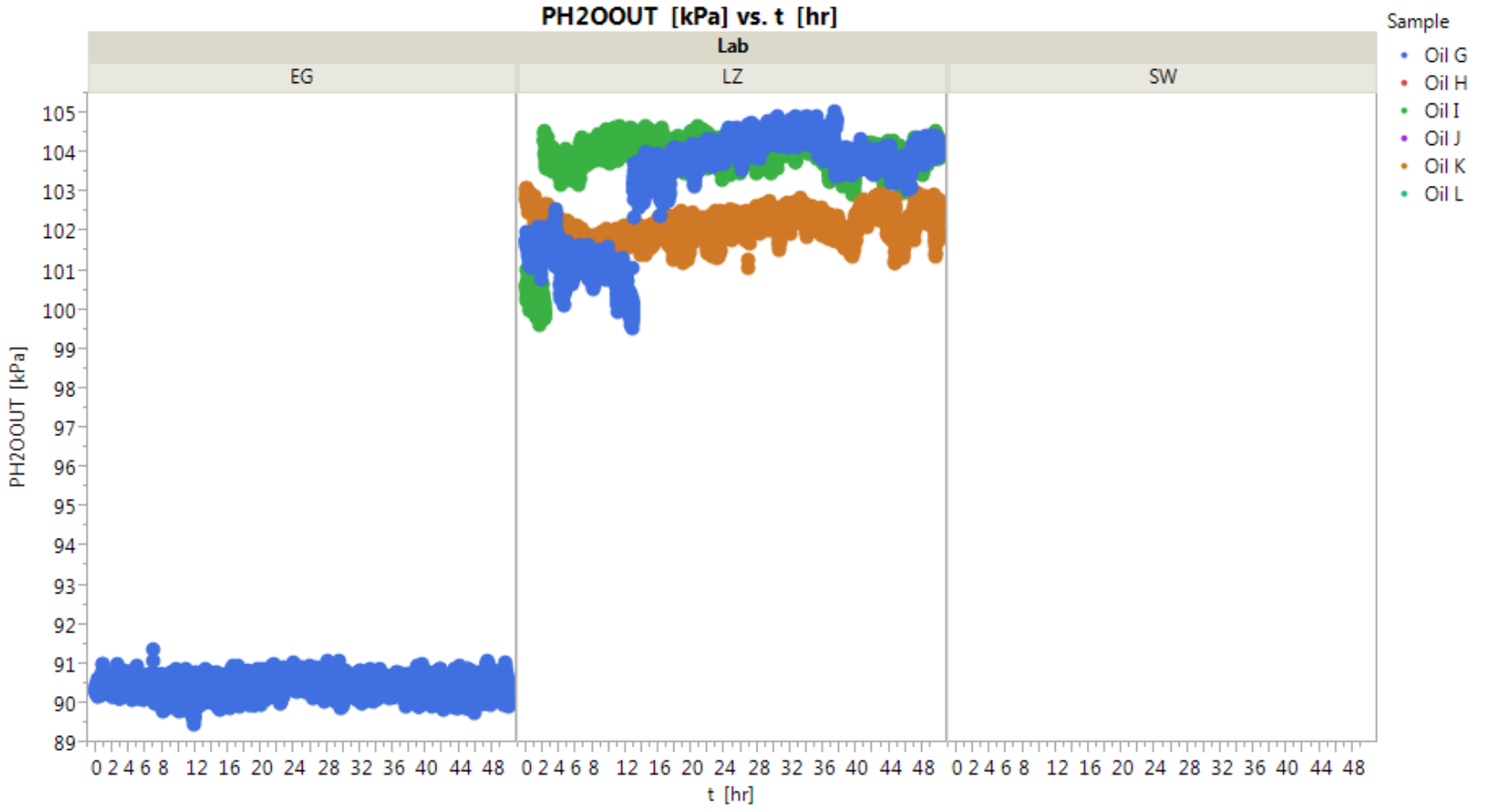
Coolant In Pressure



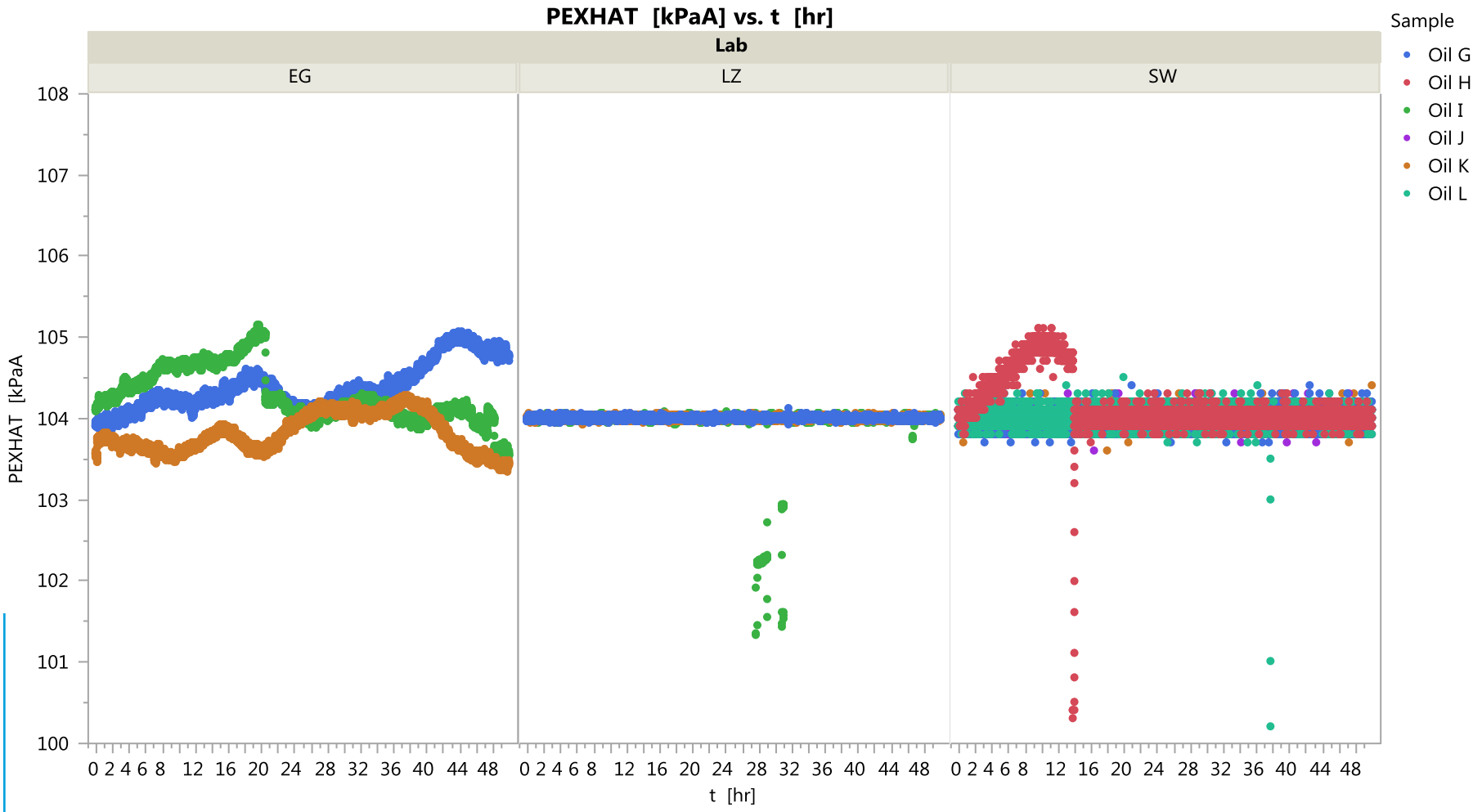
Coolant In Pressure (SwRI)



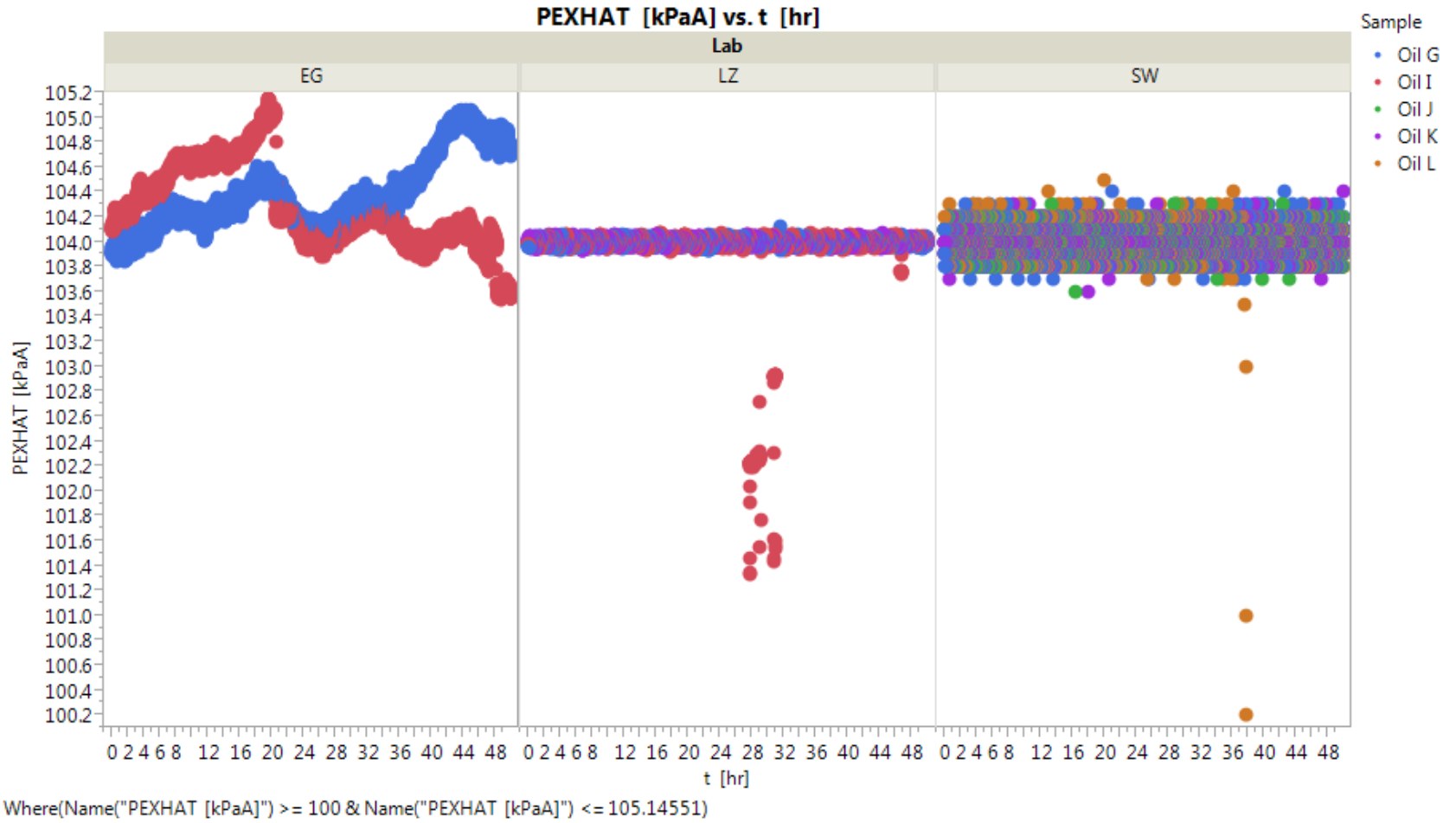
Coolant Out Pressure



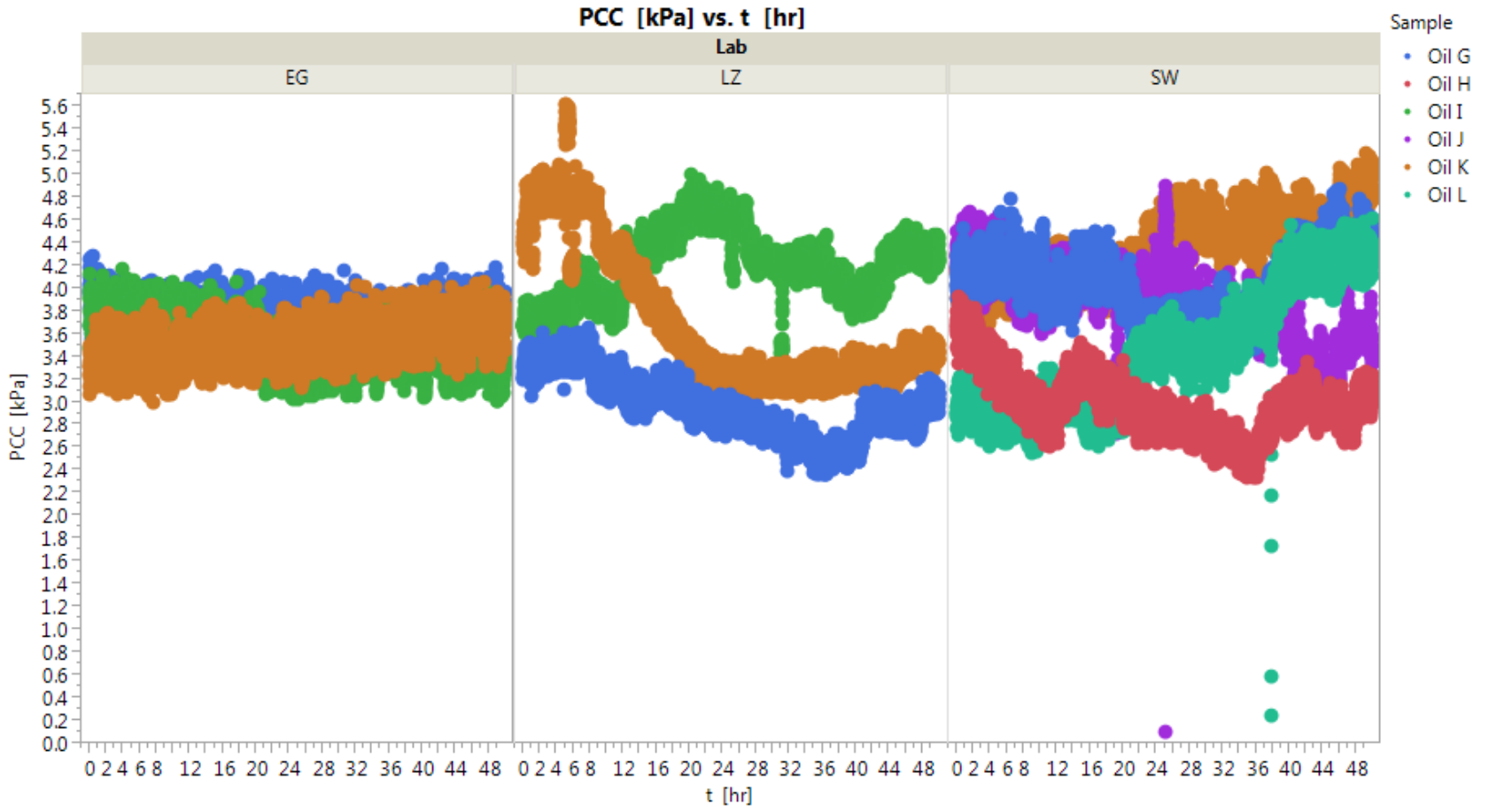
Exhaust Pressure



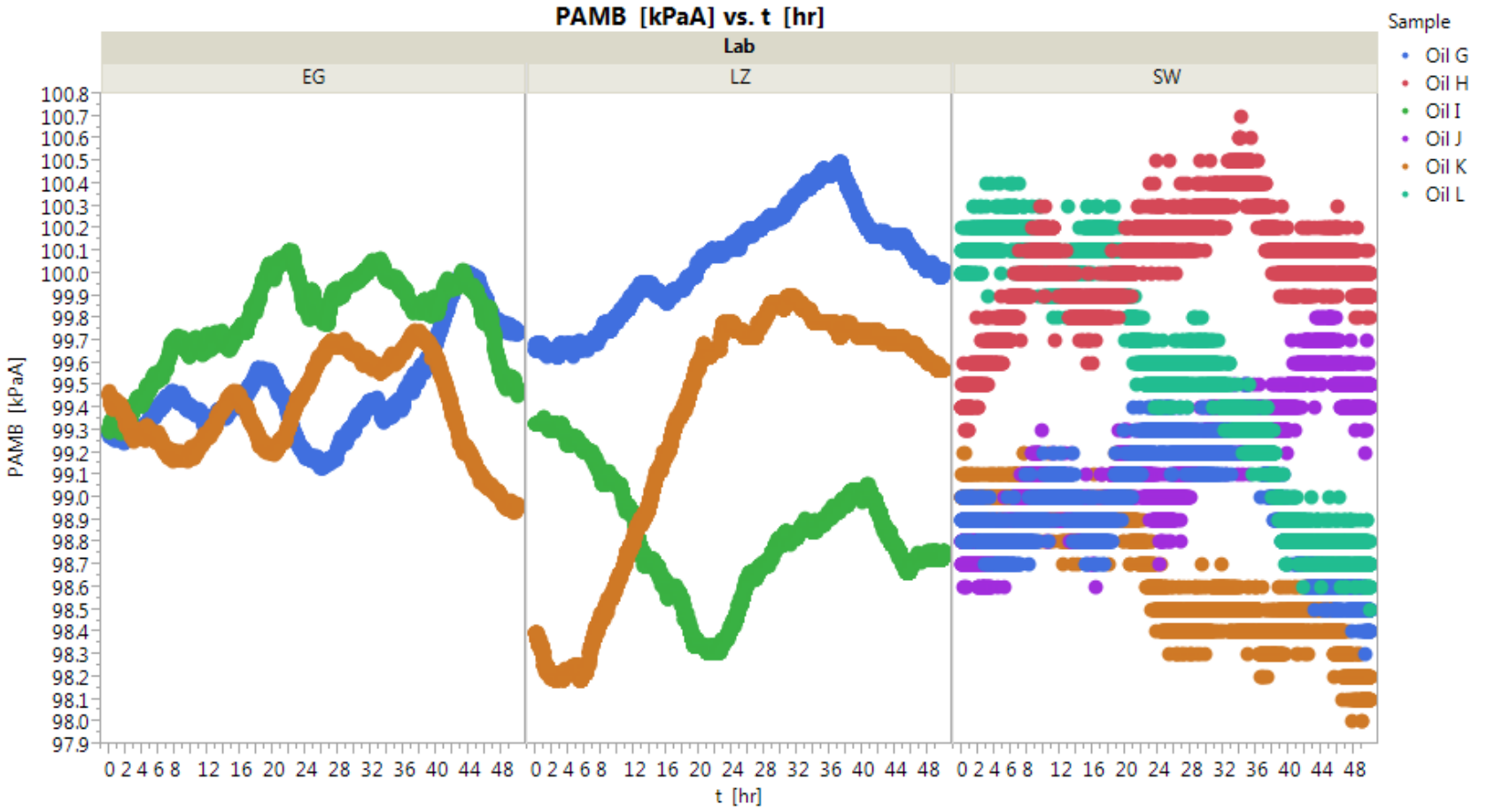
Exhaust pressure



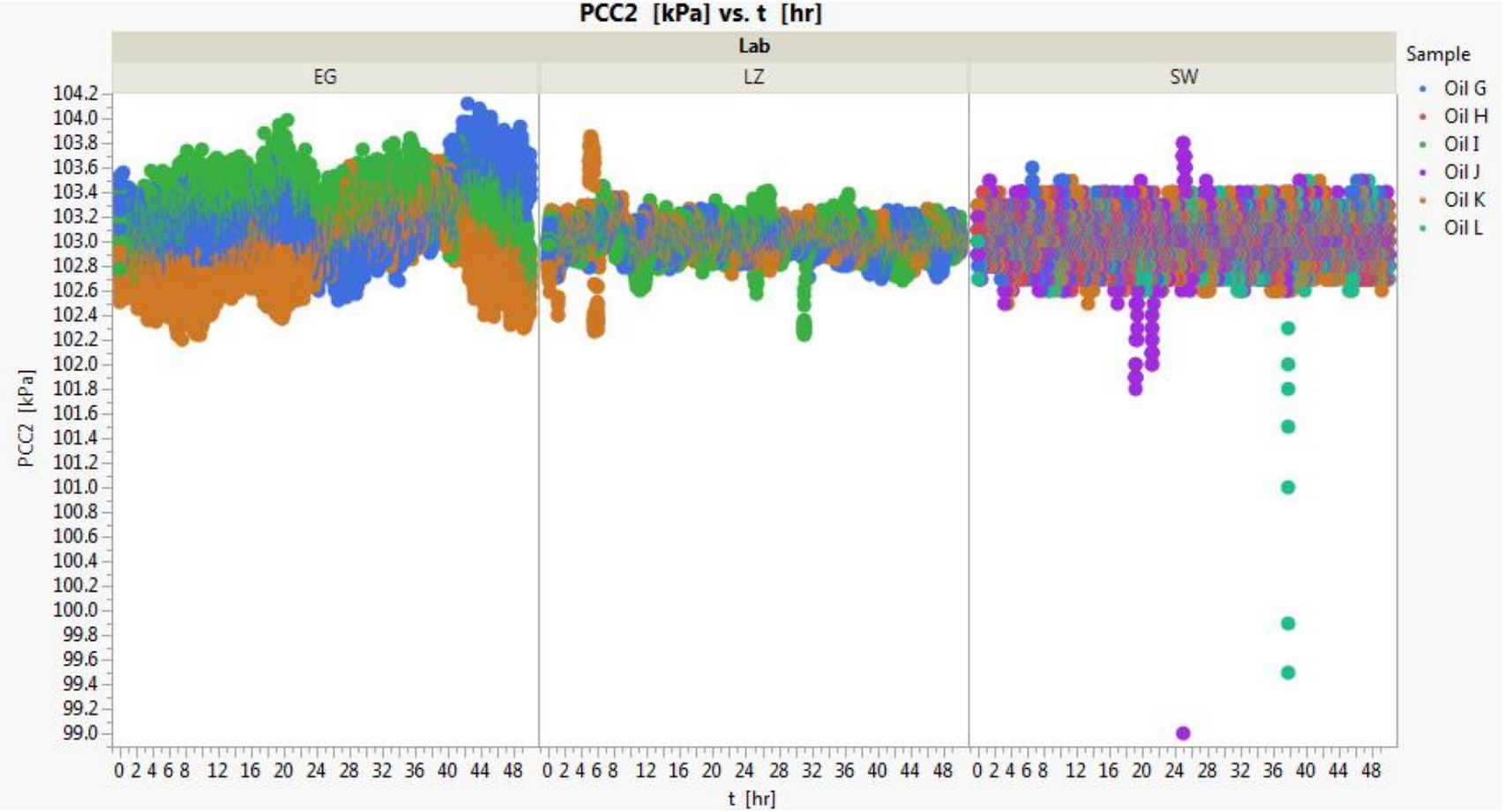
Crankcase pressure (gauge)



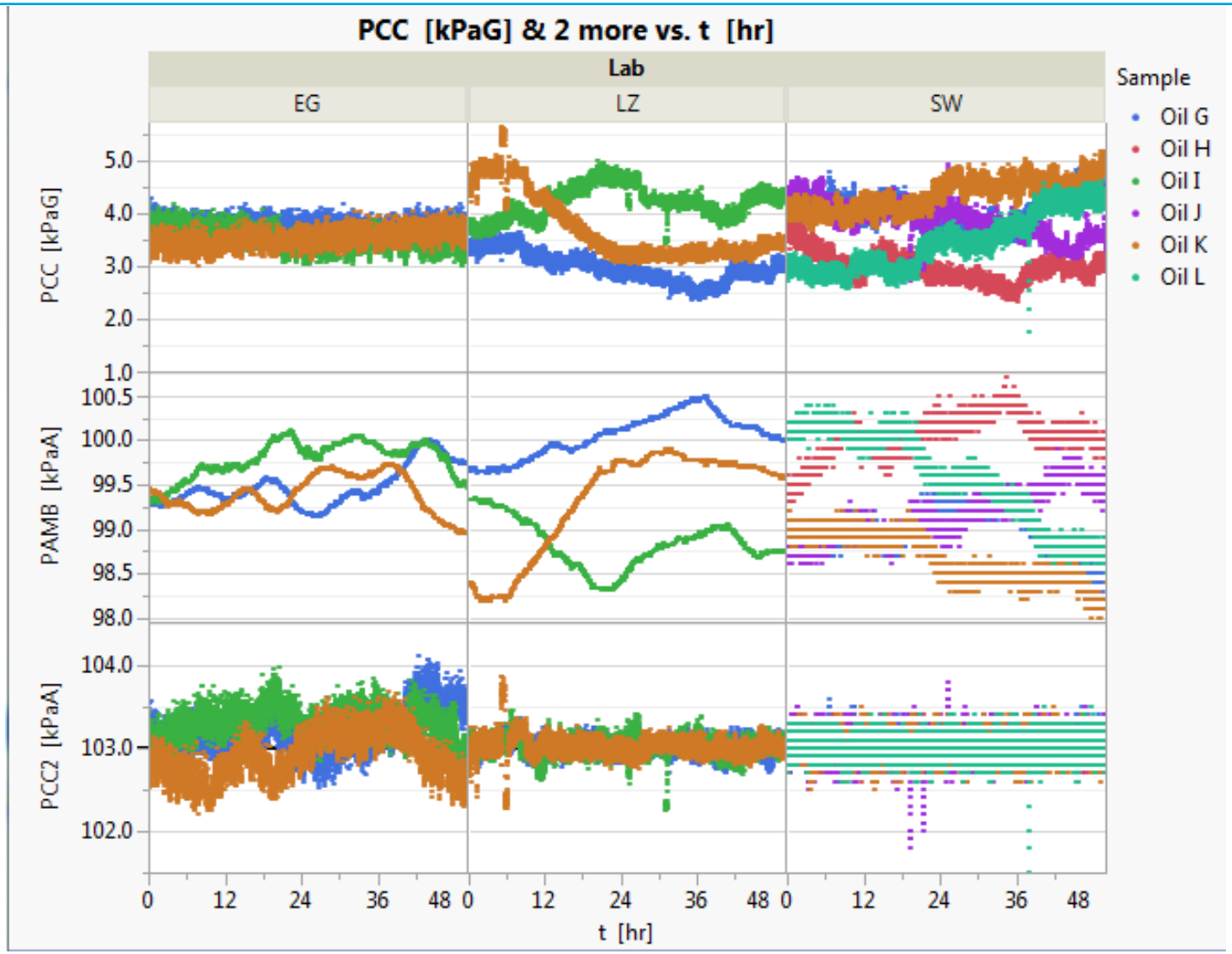
Ambient Pressure



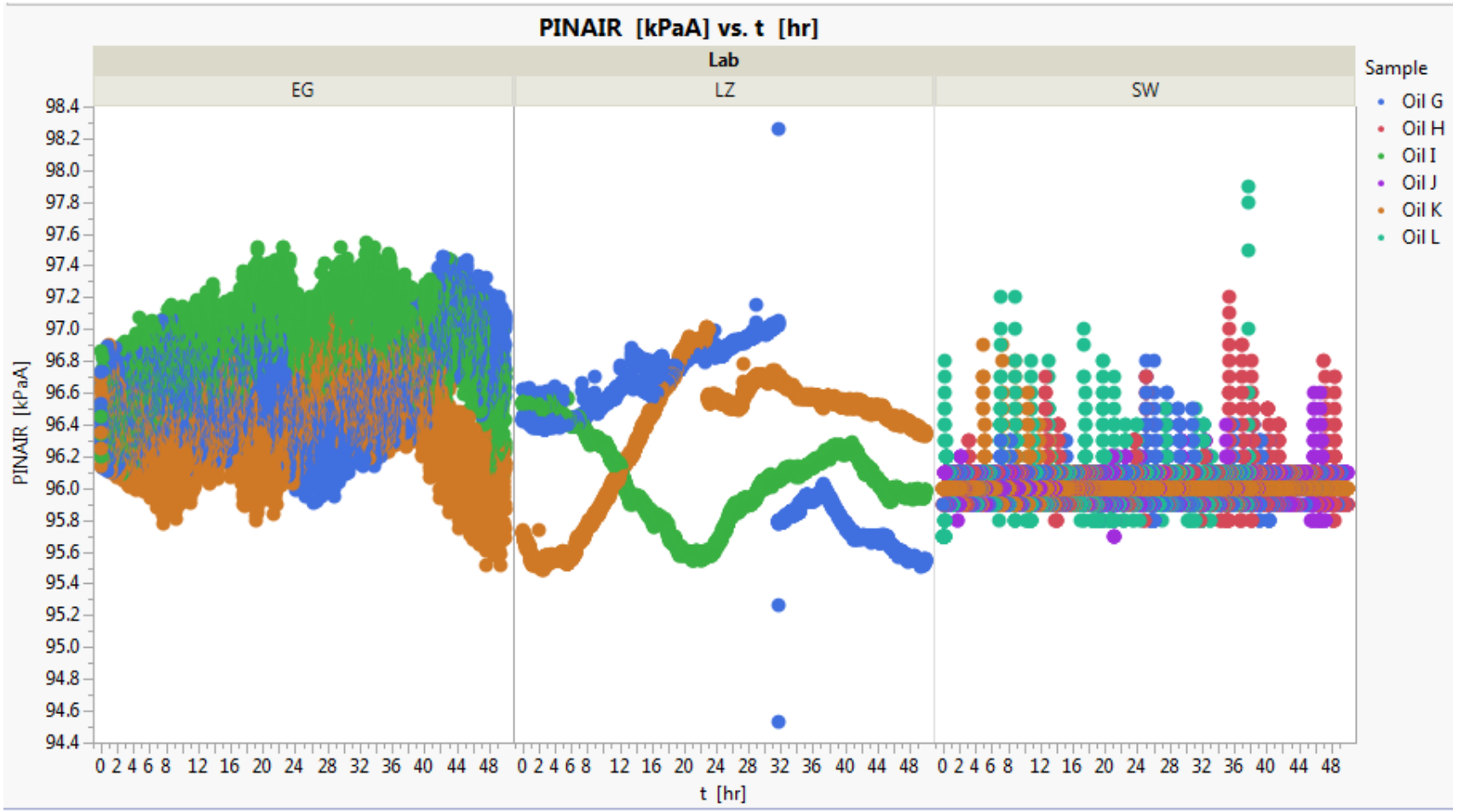
Crankcase Pressure (Absolute)



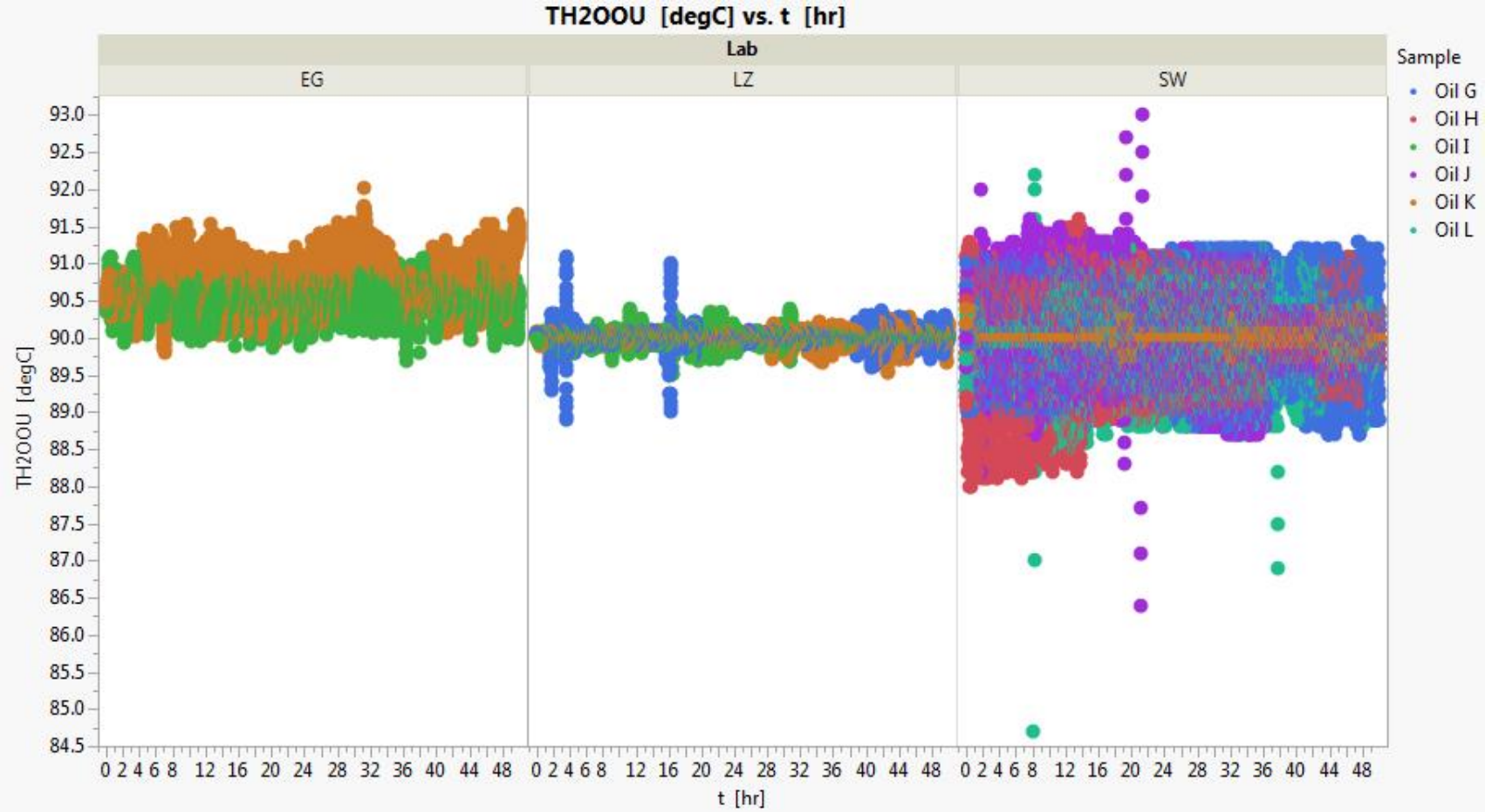
Crankcase pressure (G, A) and Ambient pressure



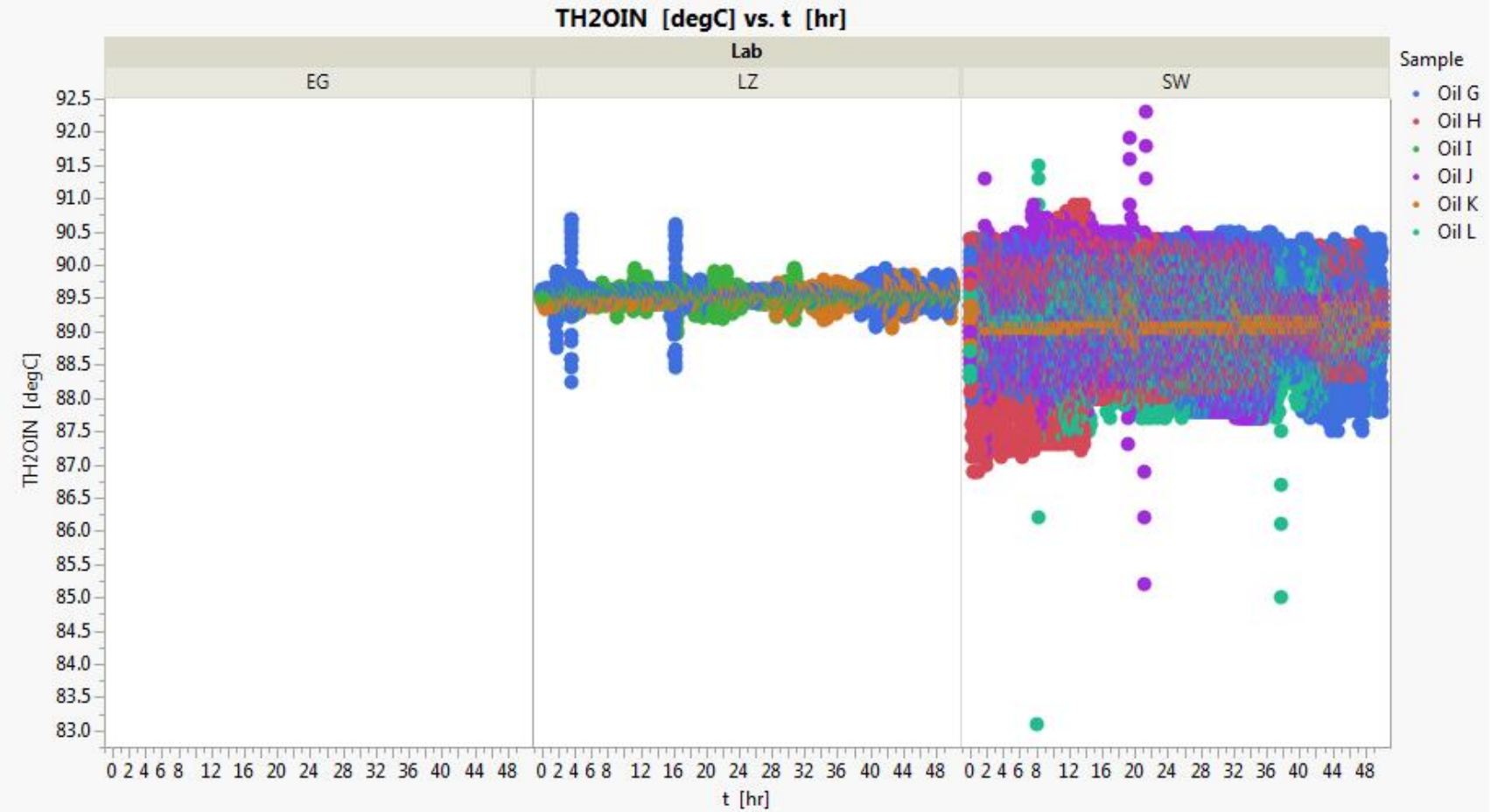
Intake Air Pressure



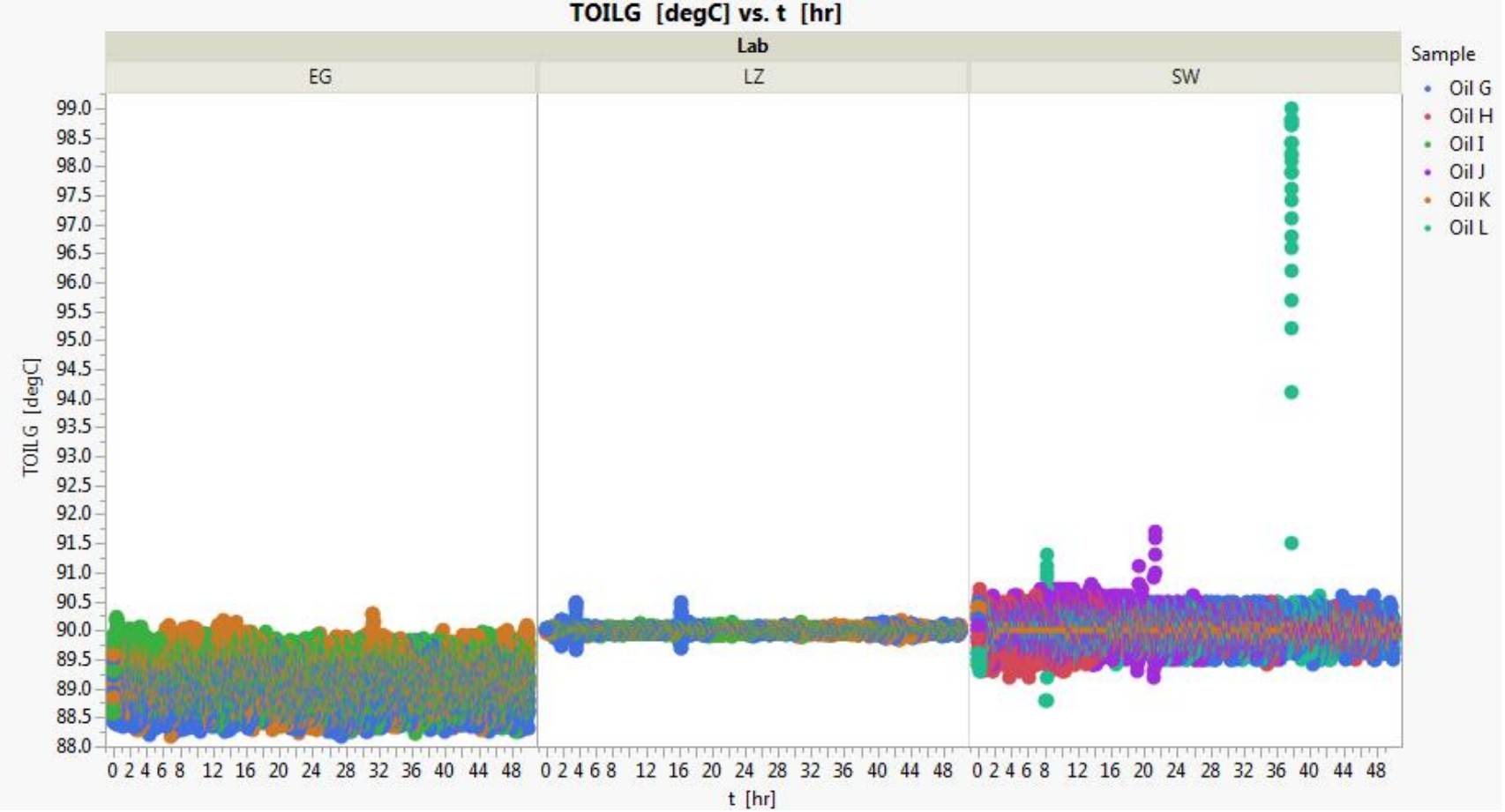
Coolant Out Temperature



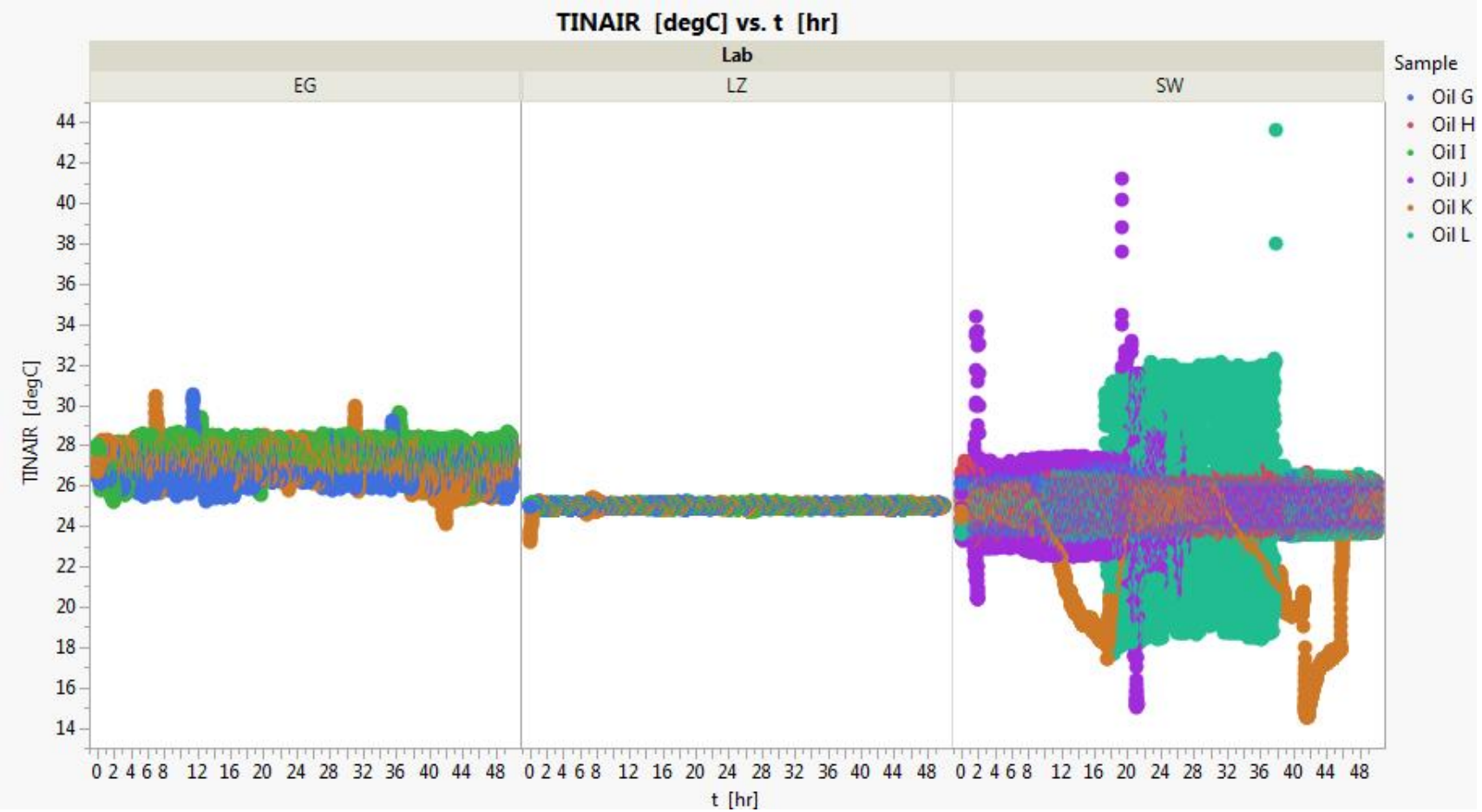
Coolant In Temperature



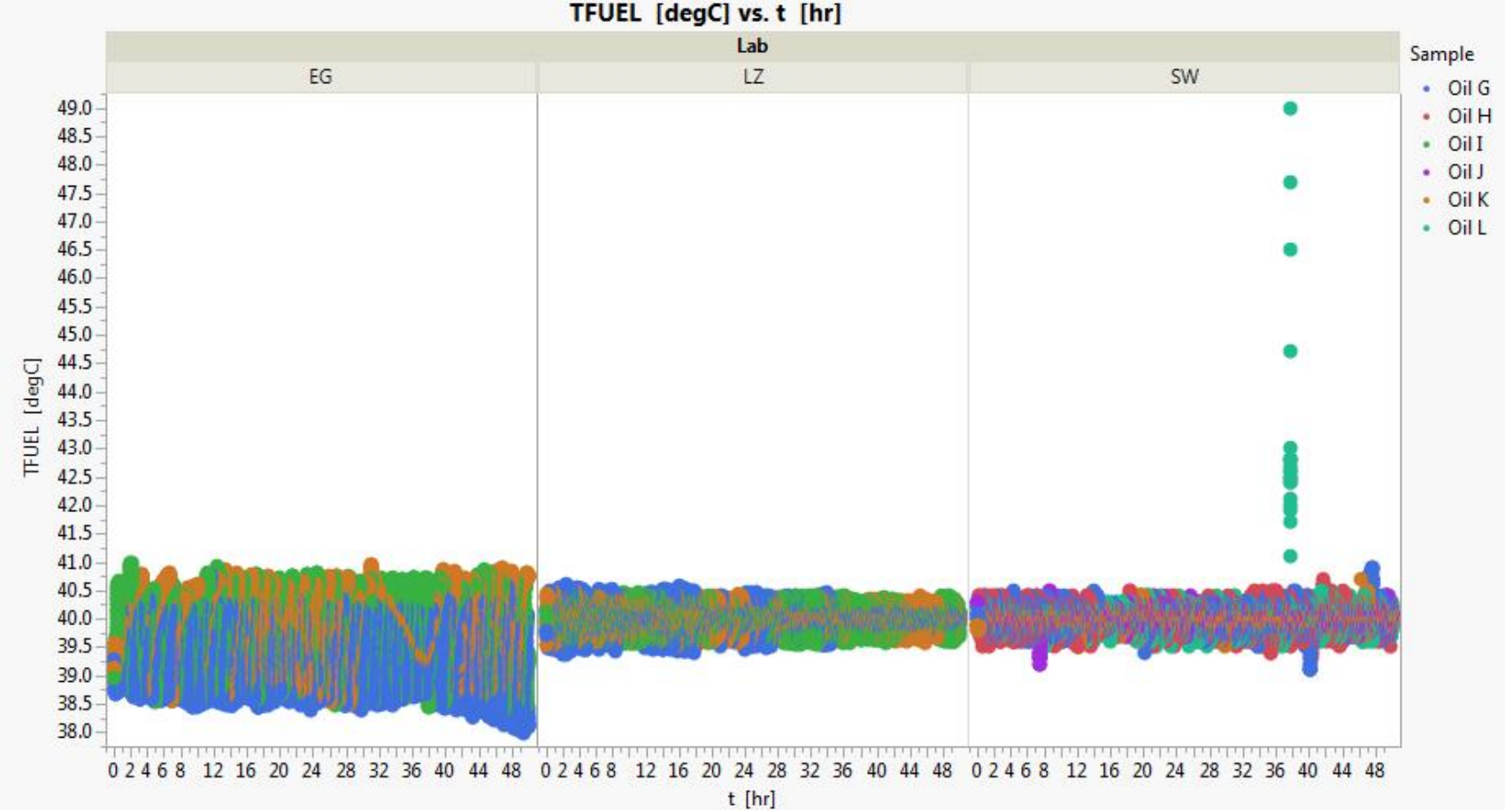
Oil Gallery Temperature



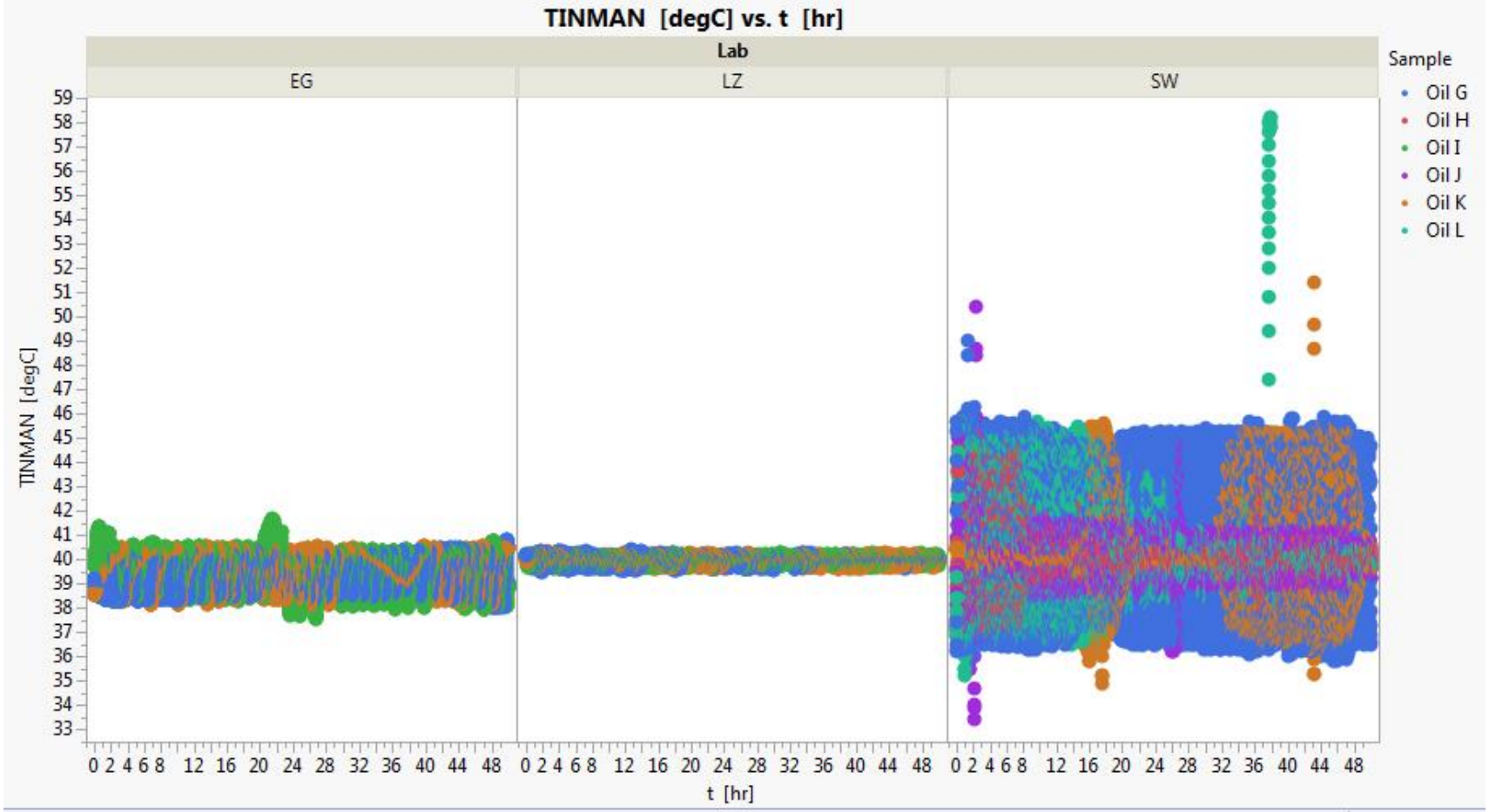
Intake Air Temperature



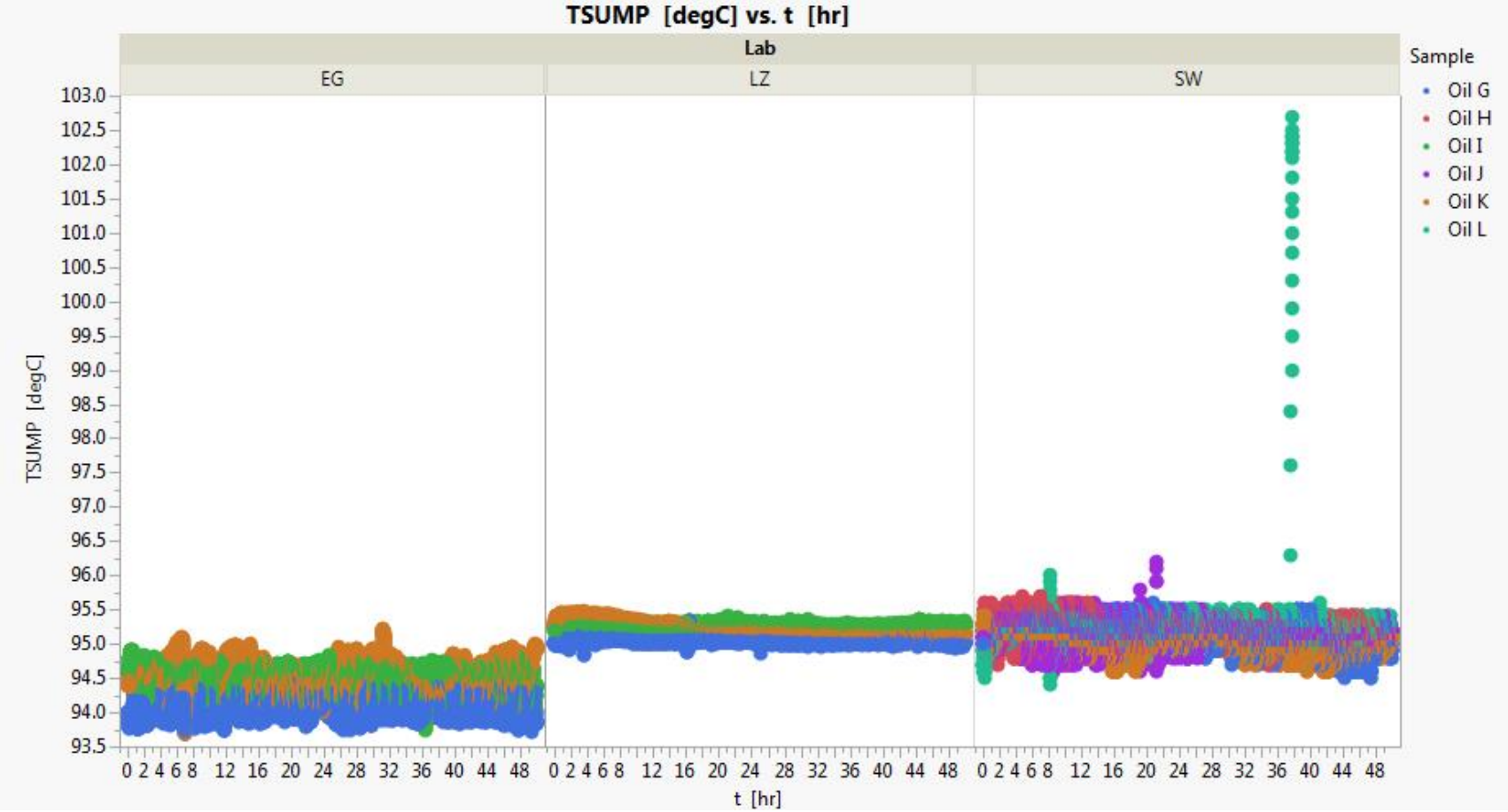
Fuel Temperature



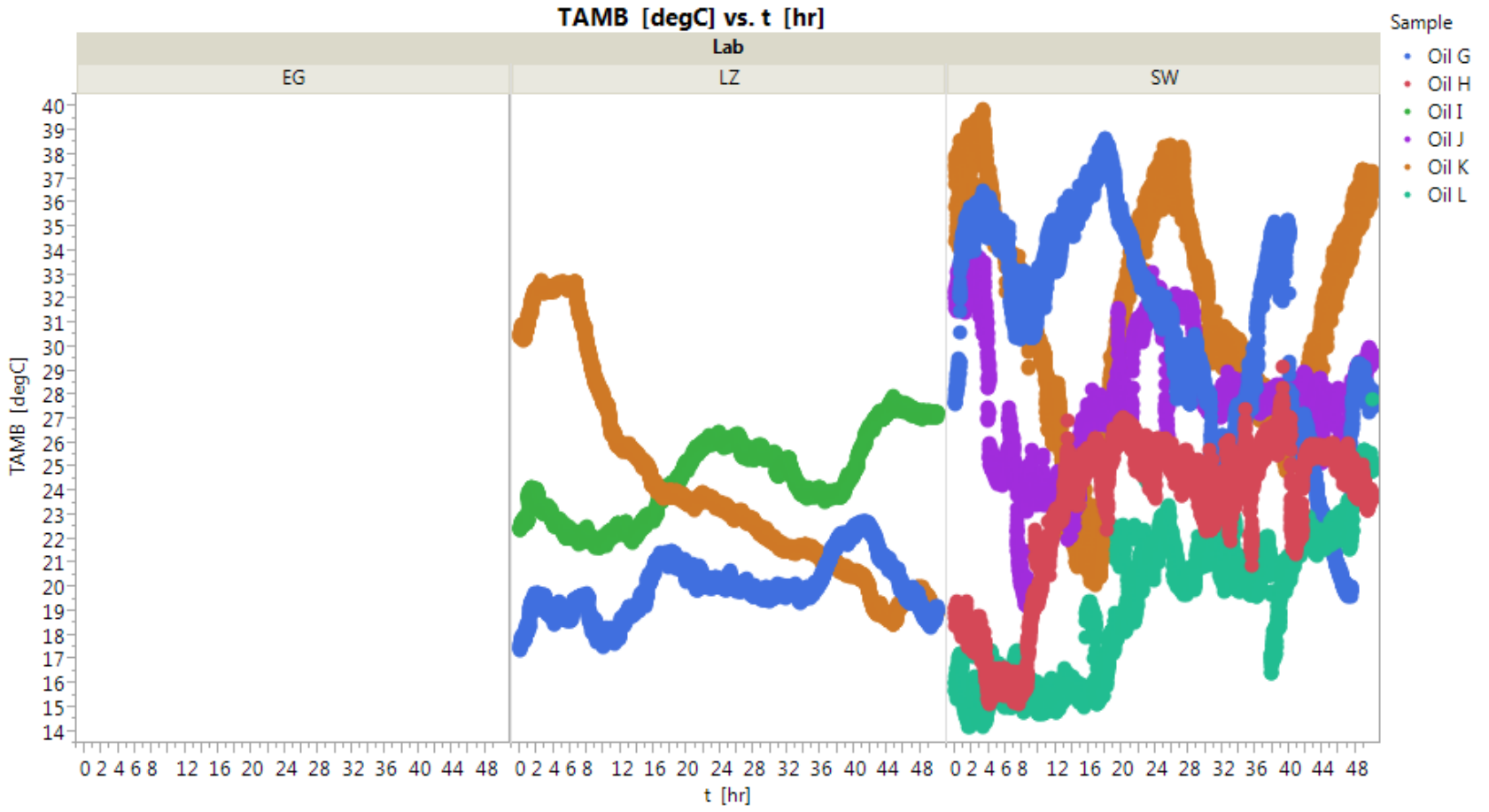
Intake Manifold temperature



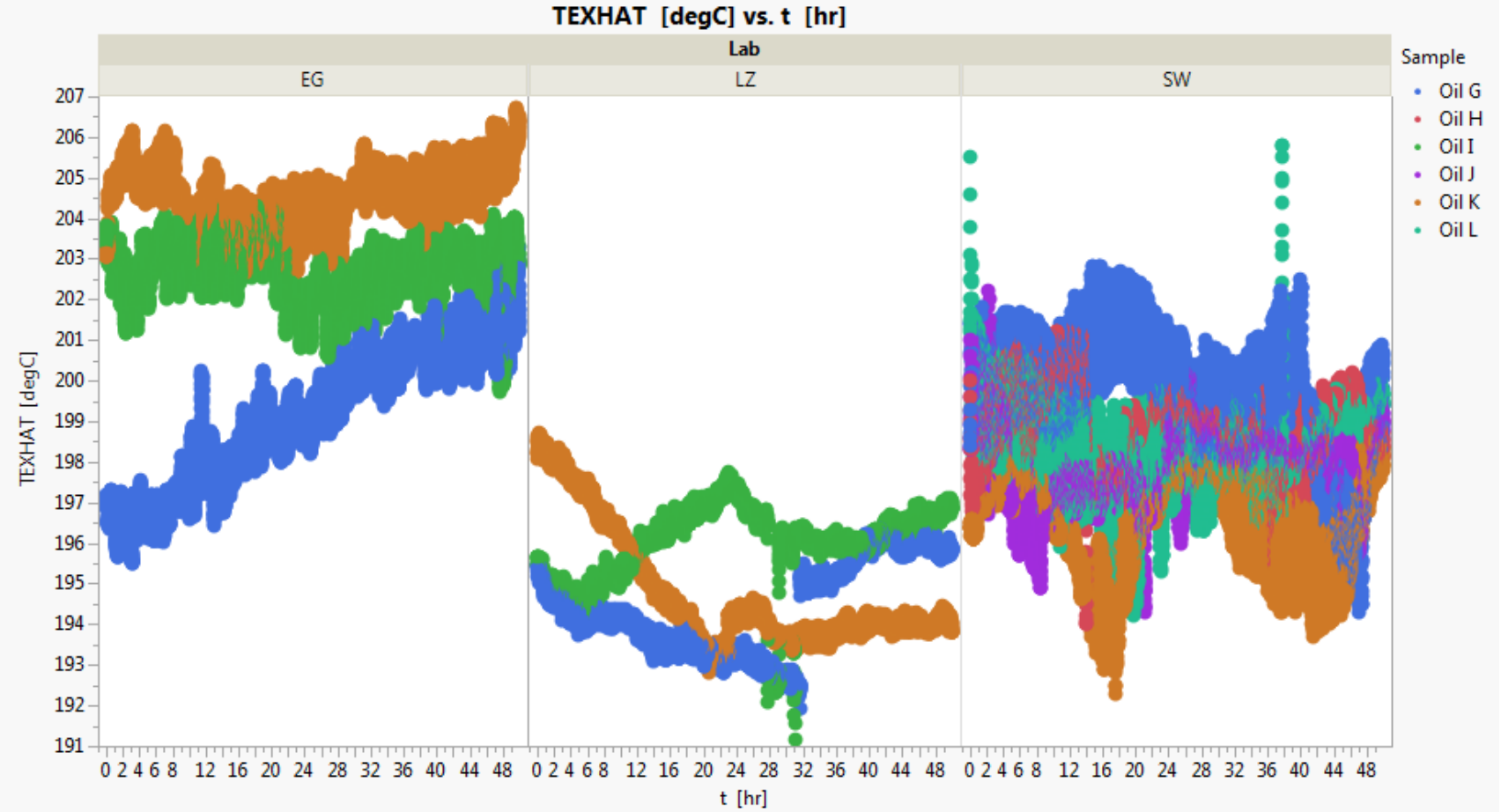
Sump Temperature



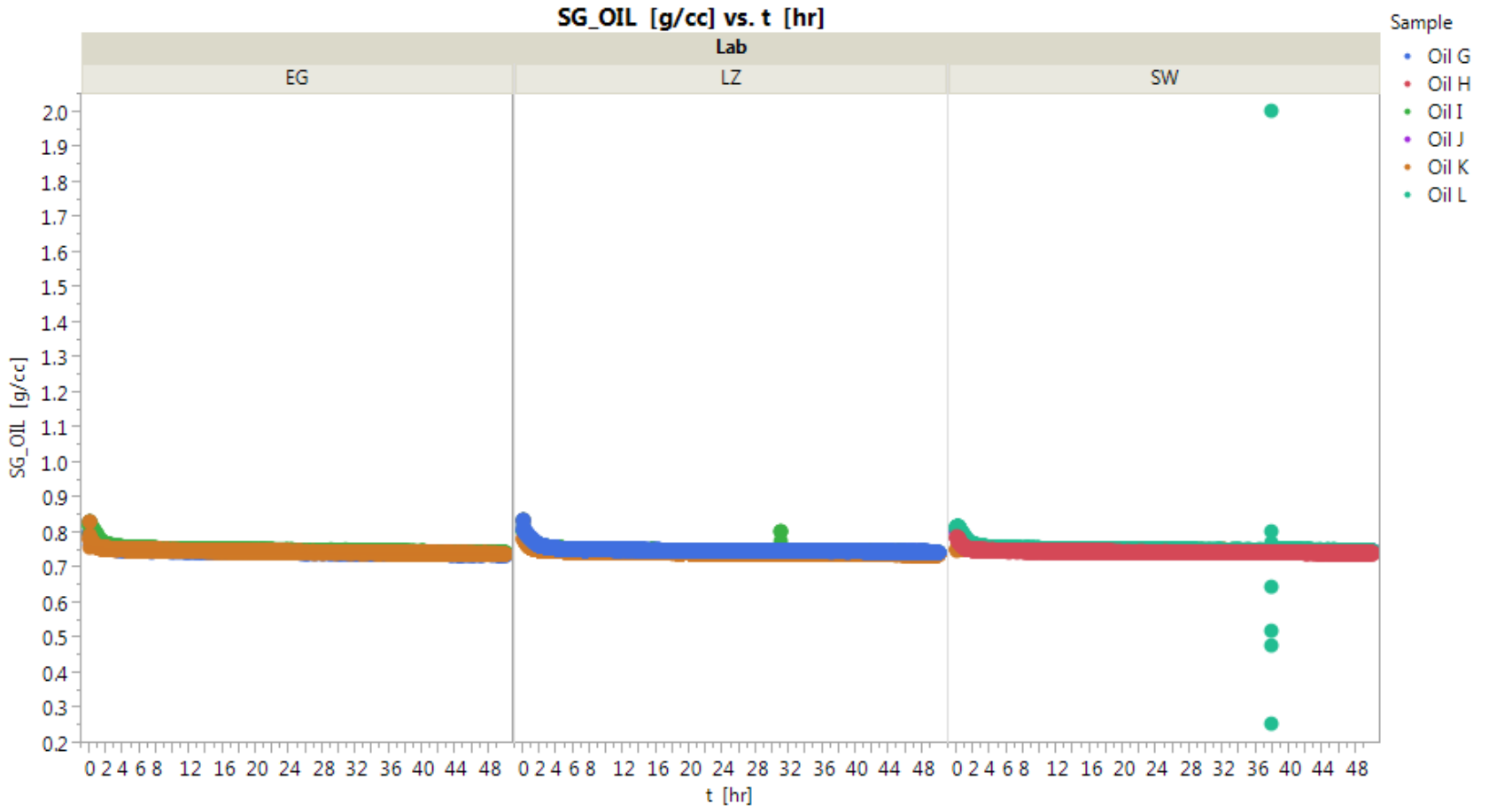
Ambient Temperature



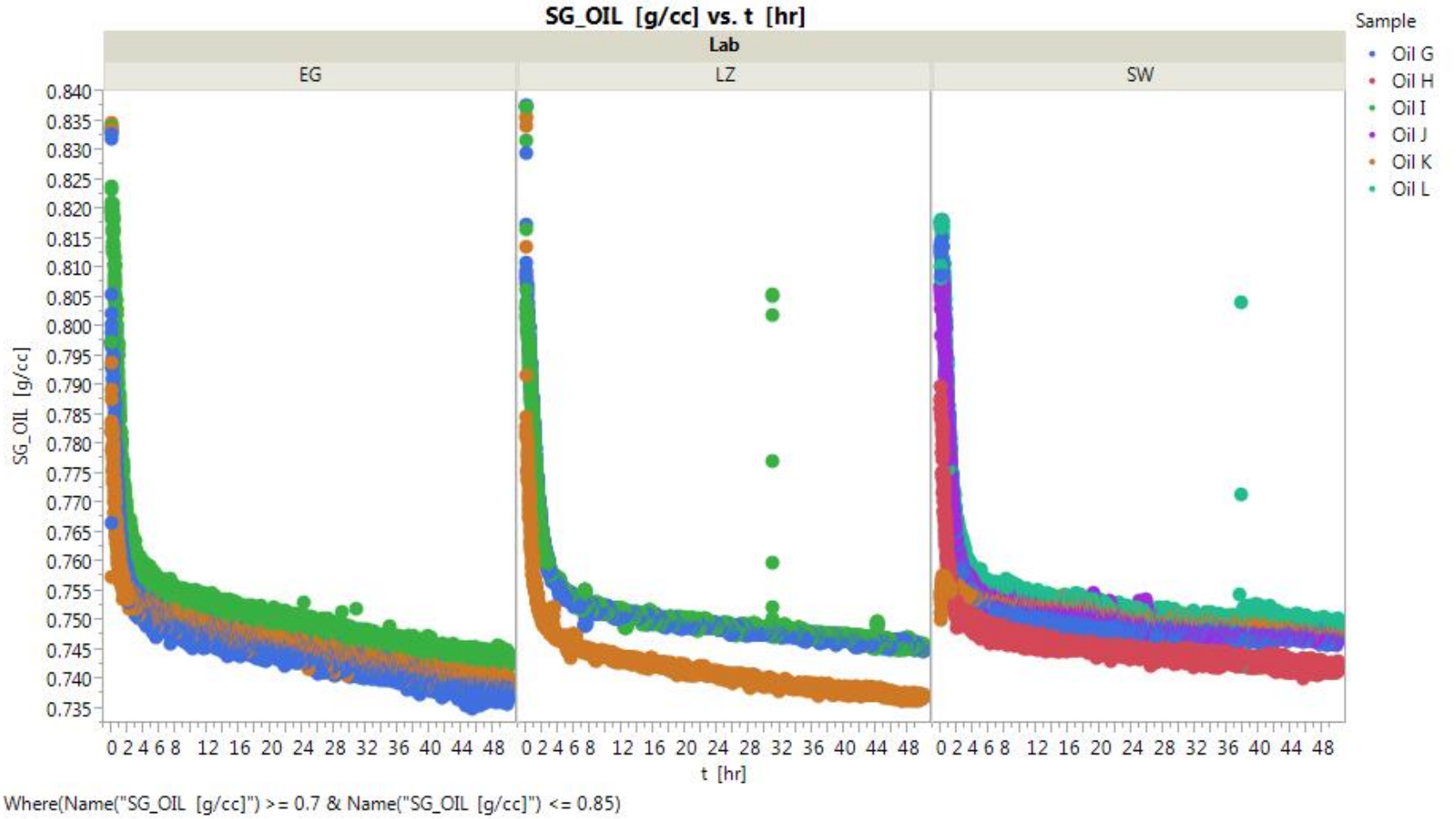
Exhaust Temperature



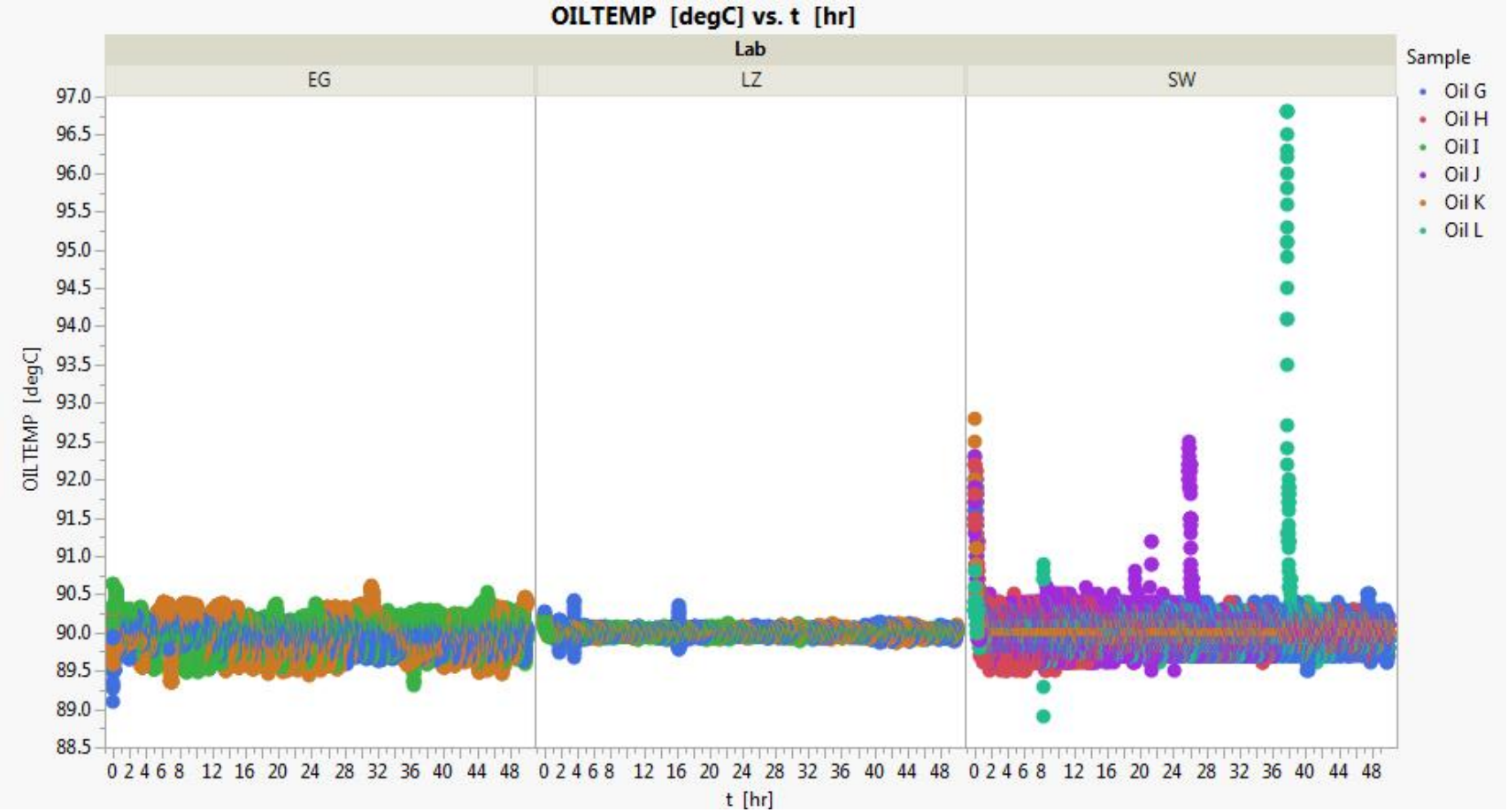
Oil sample density



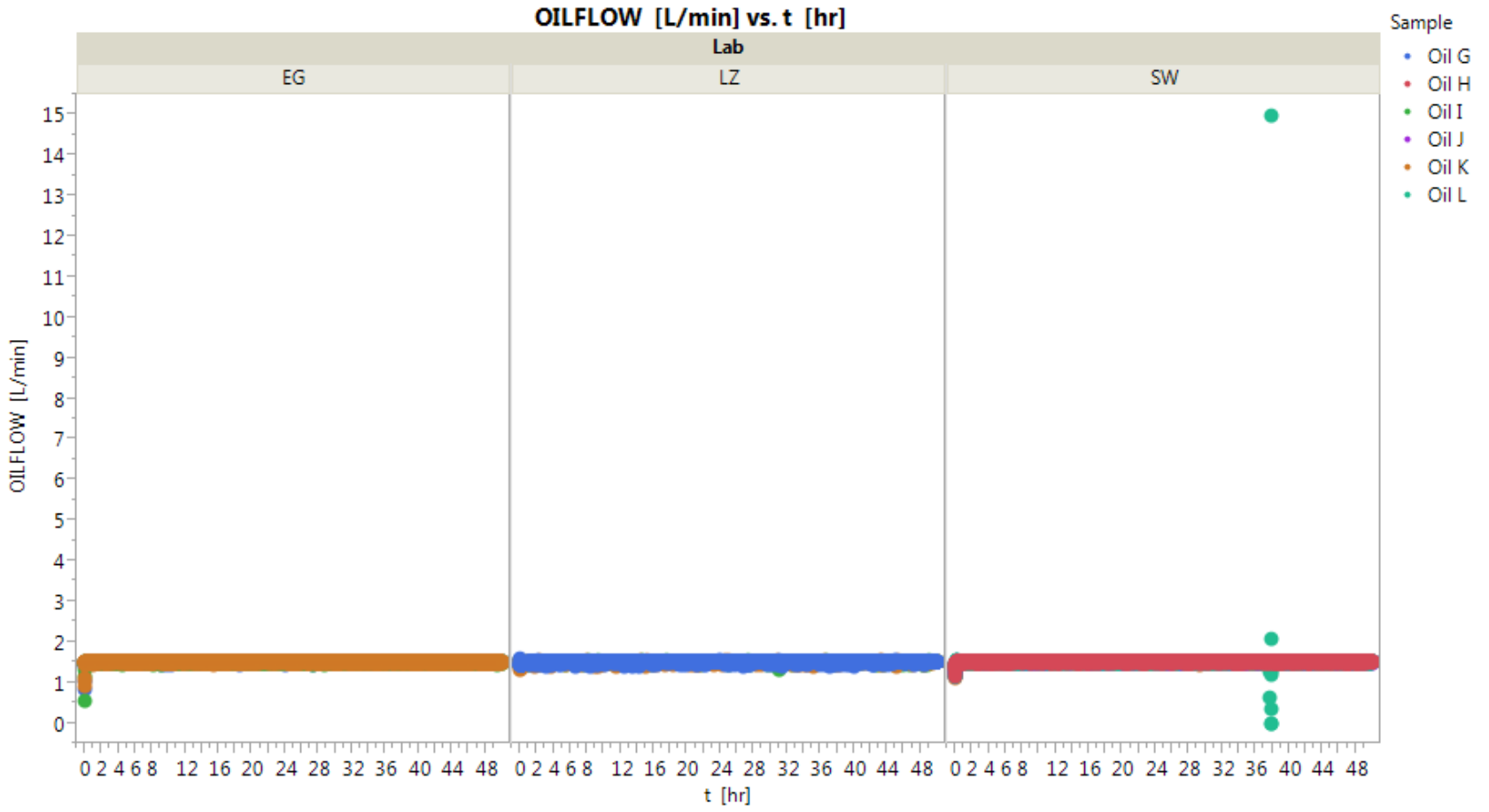
Oil sample density



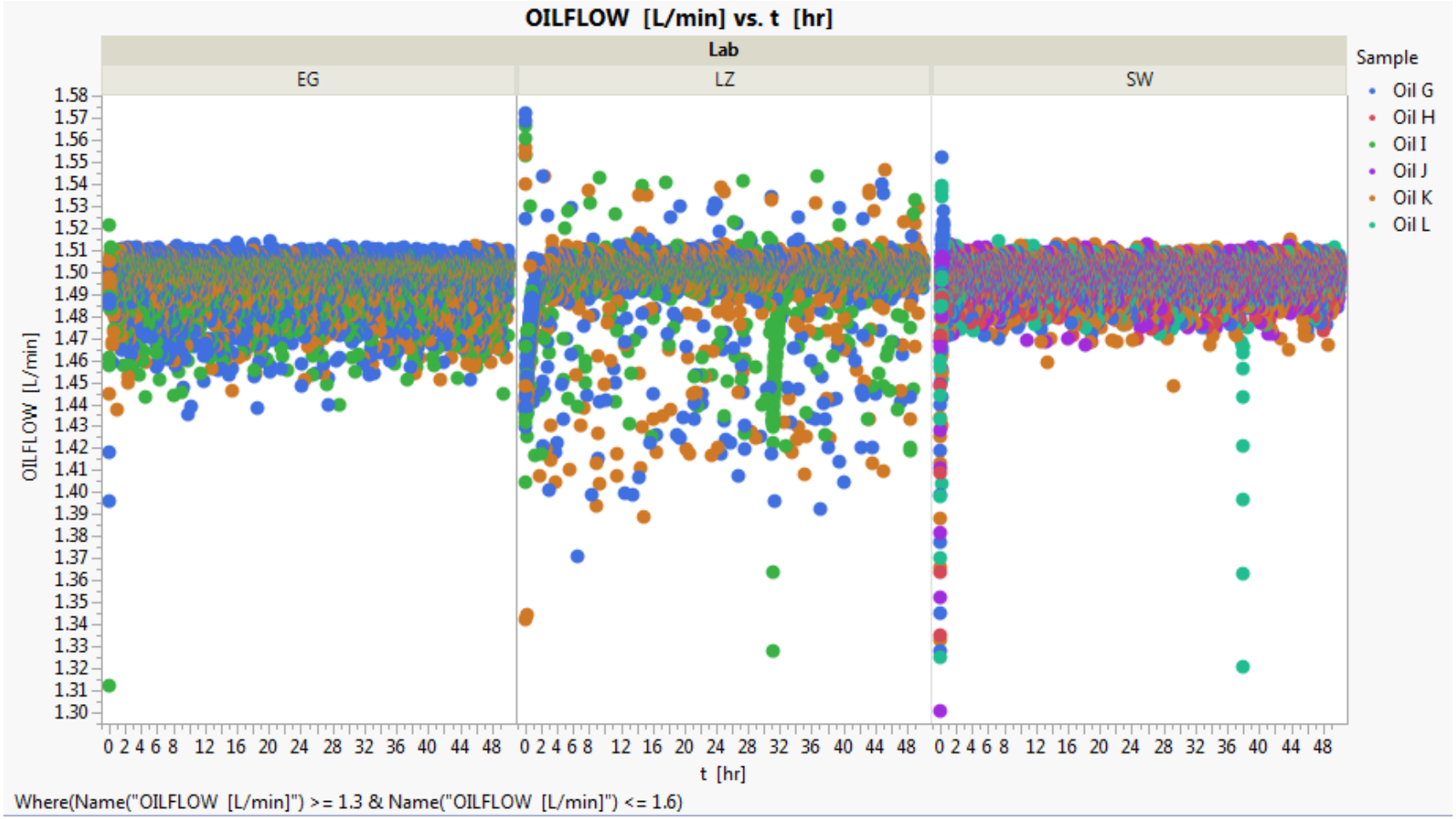
Oil Sample Temperature



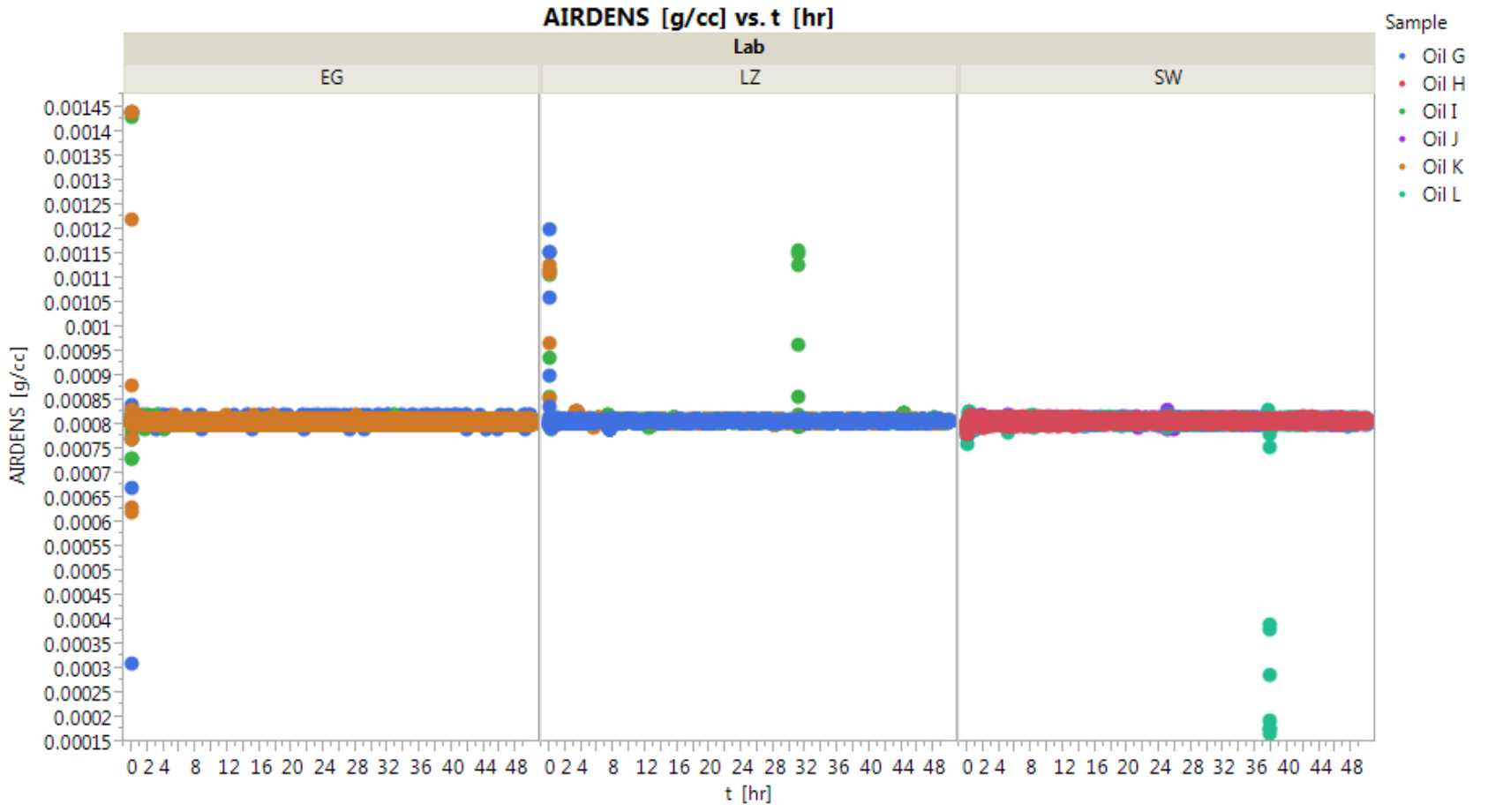
Oil Flow



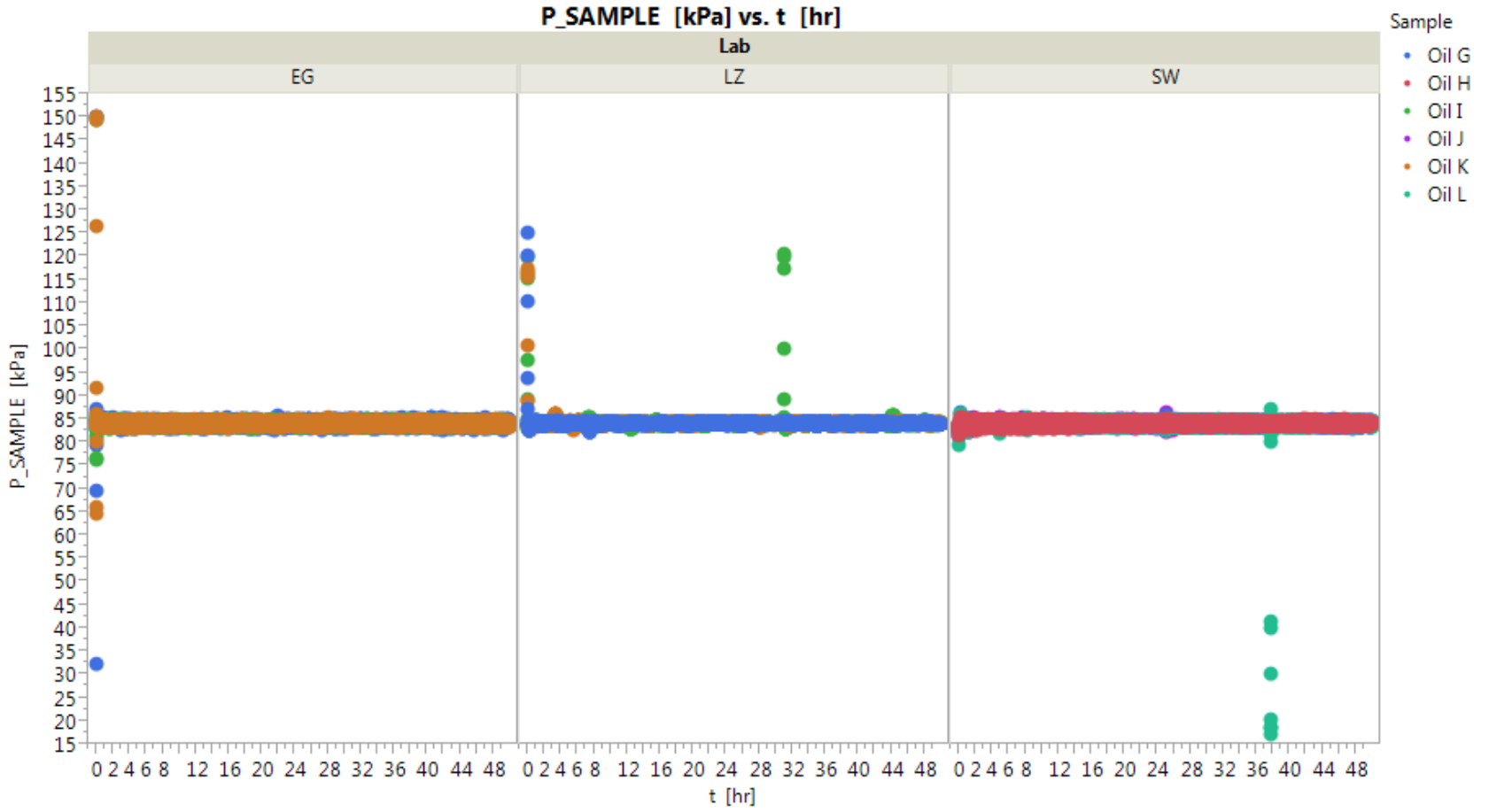
Oil Flow



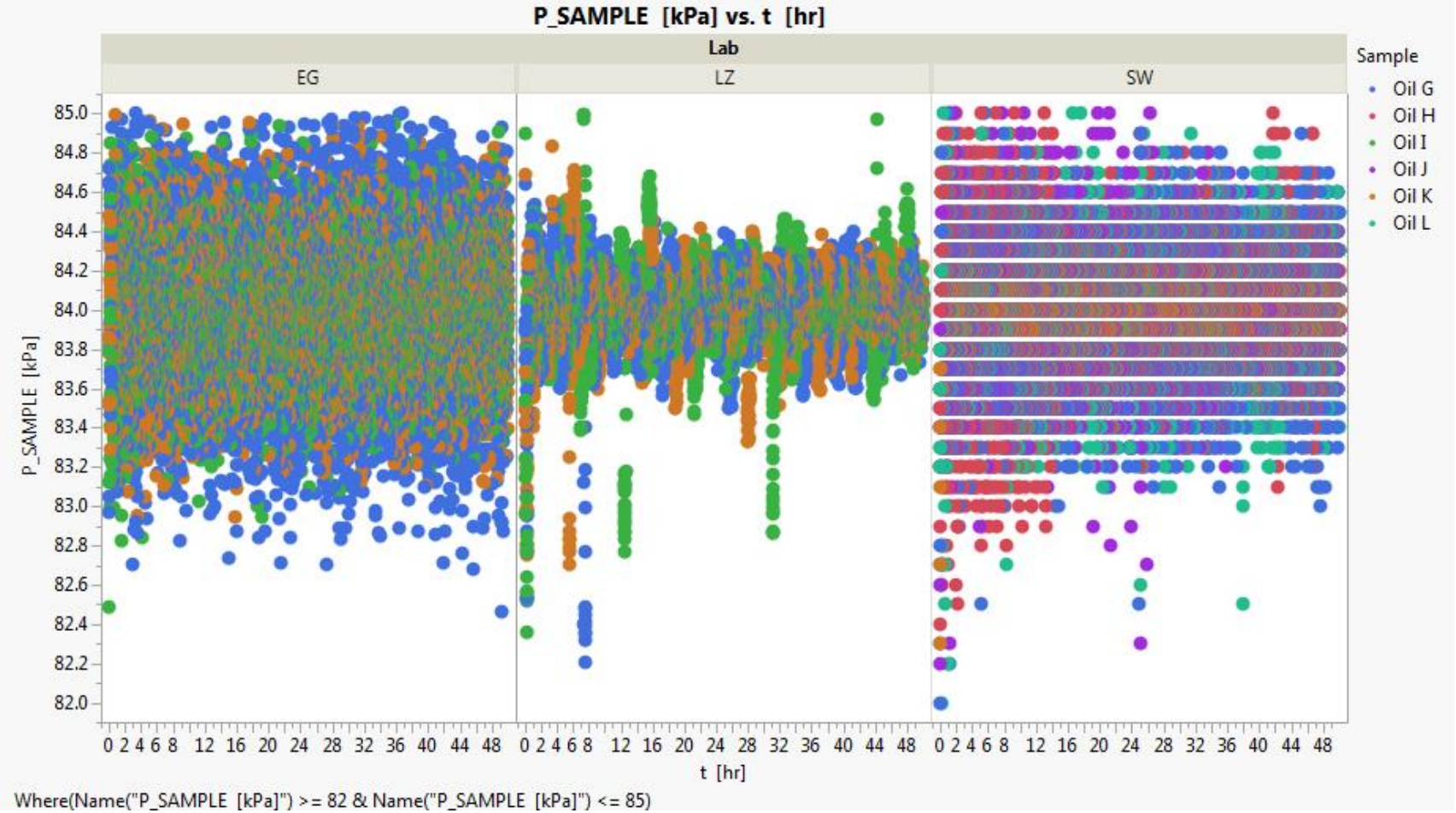
Air density



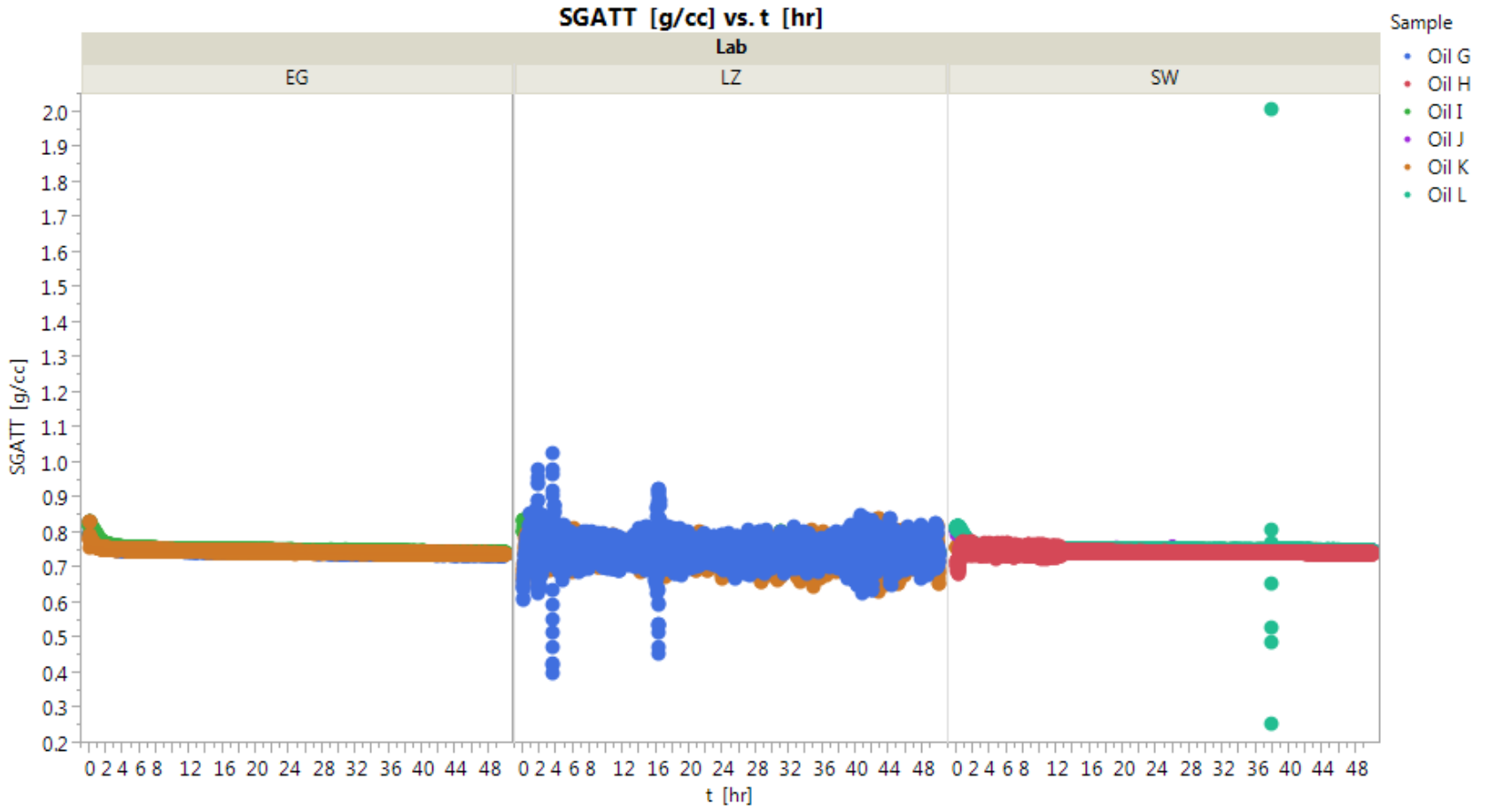
Oil Sample Pressure



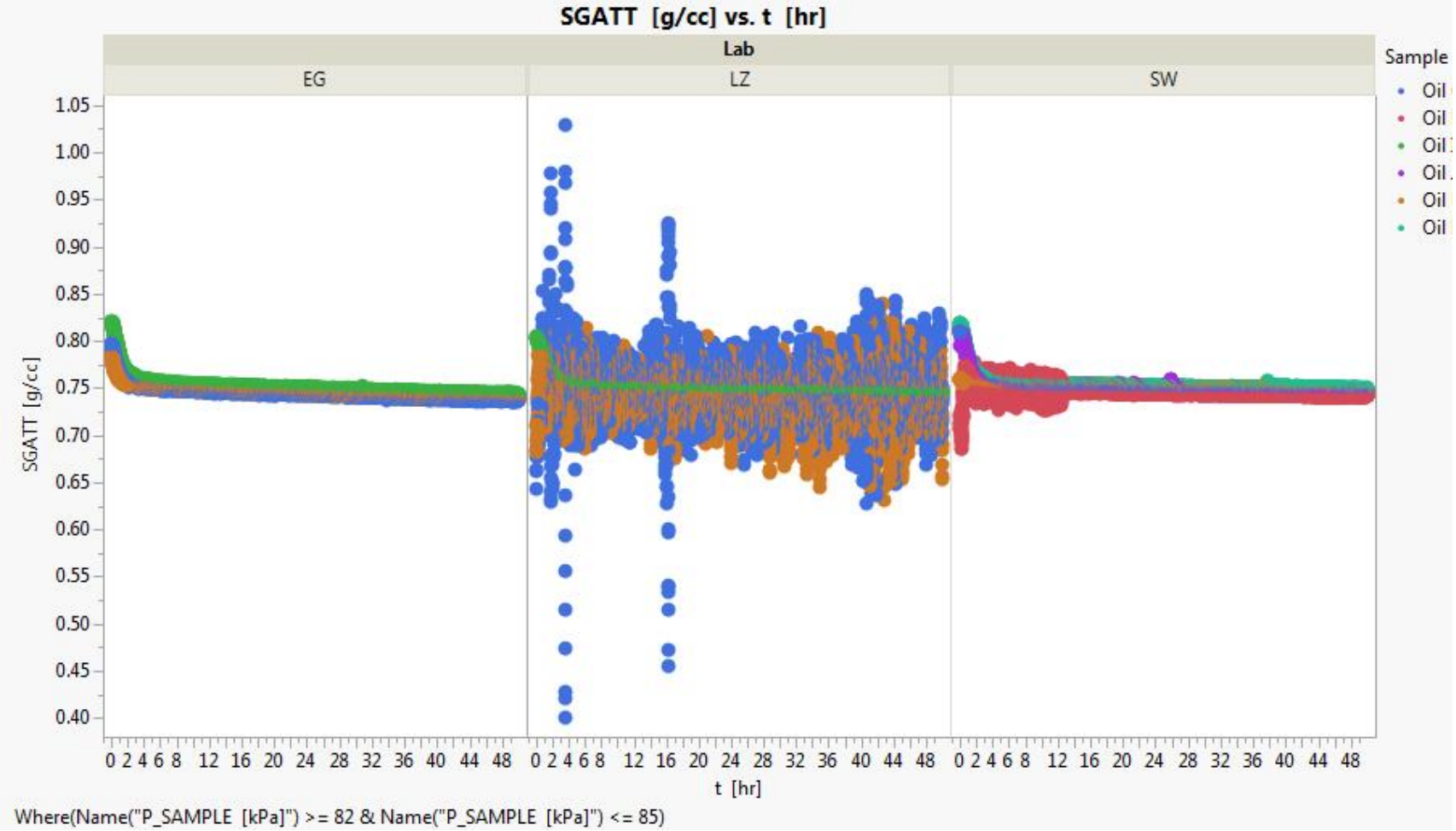
Oil sample pressure



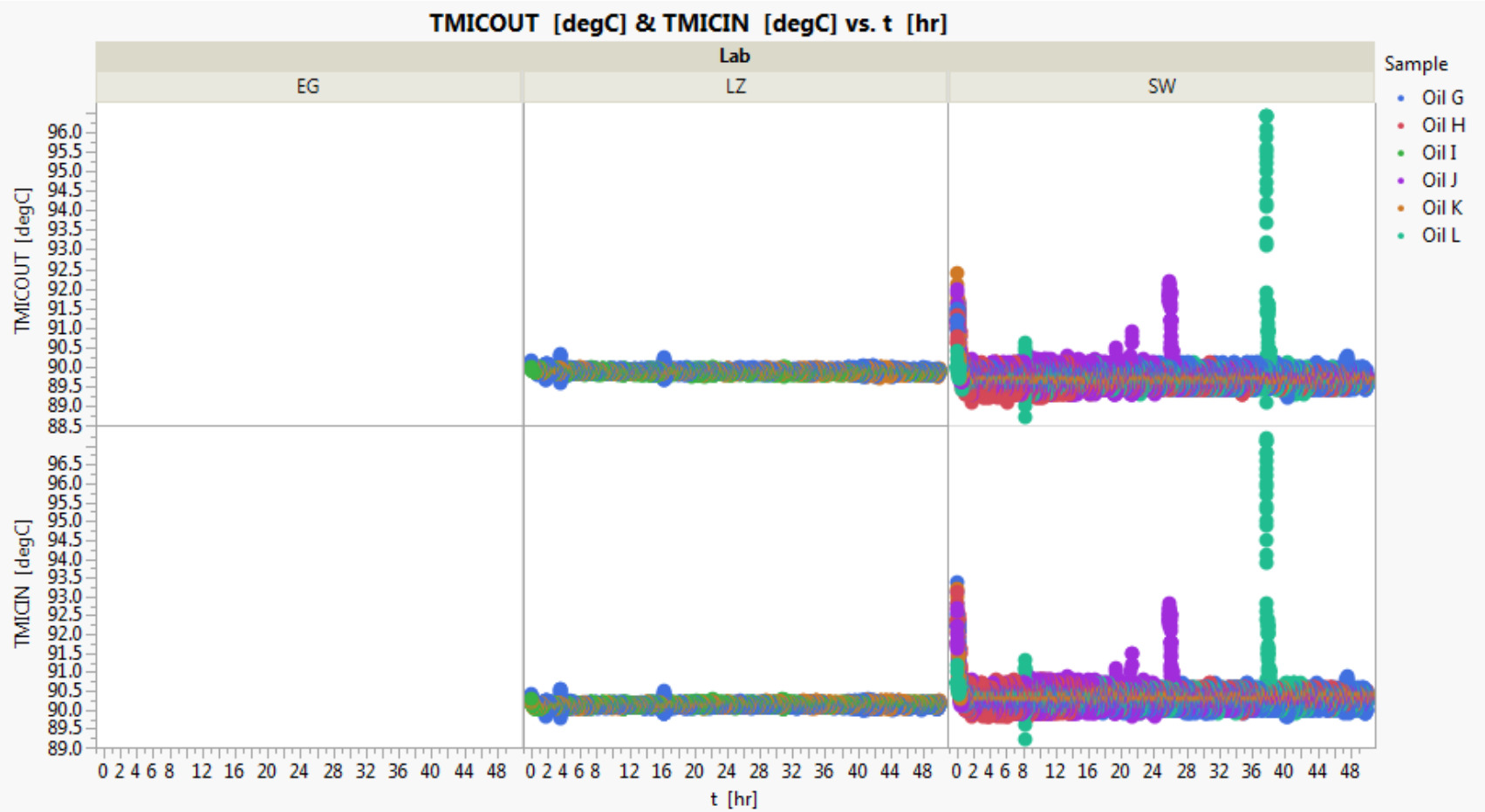
Temperature-corrected oil sample density



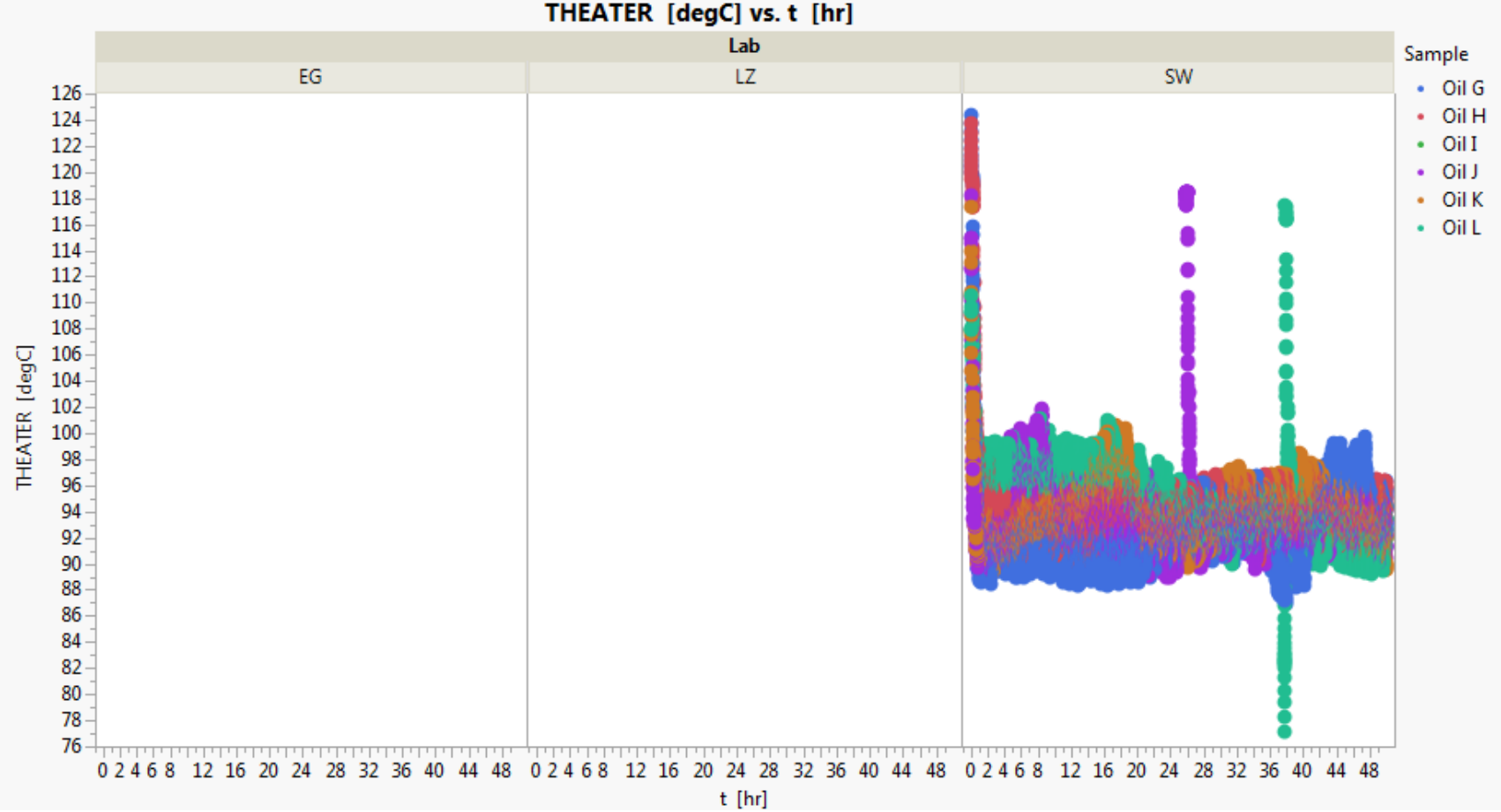
Temperature-corrected oil sample density



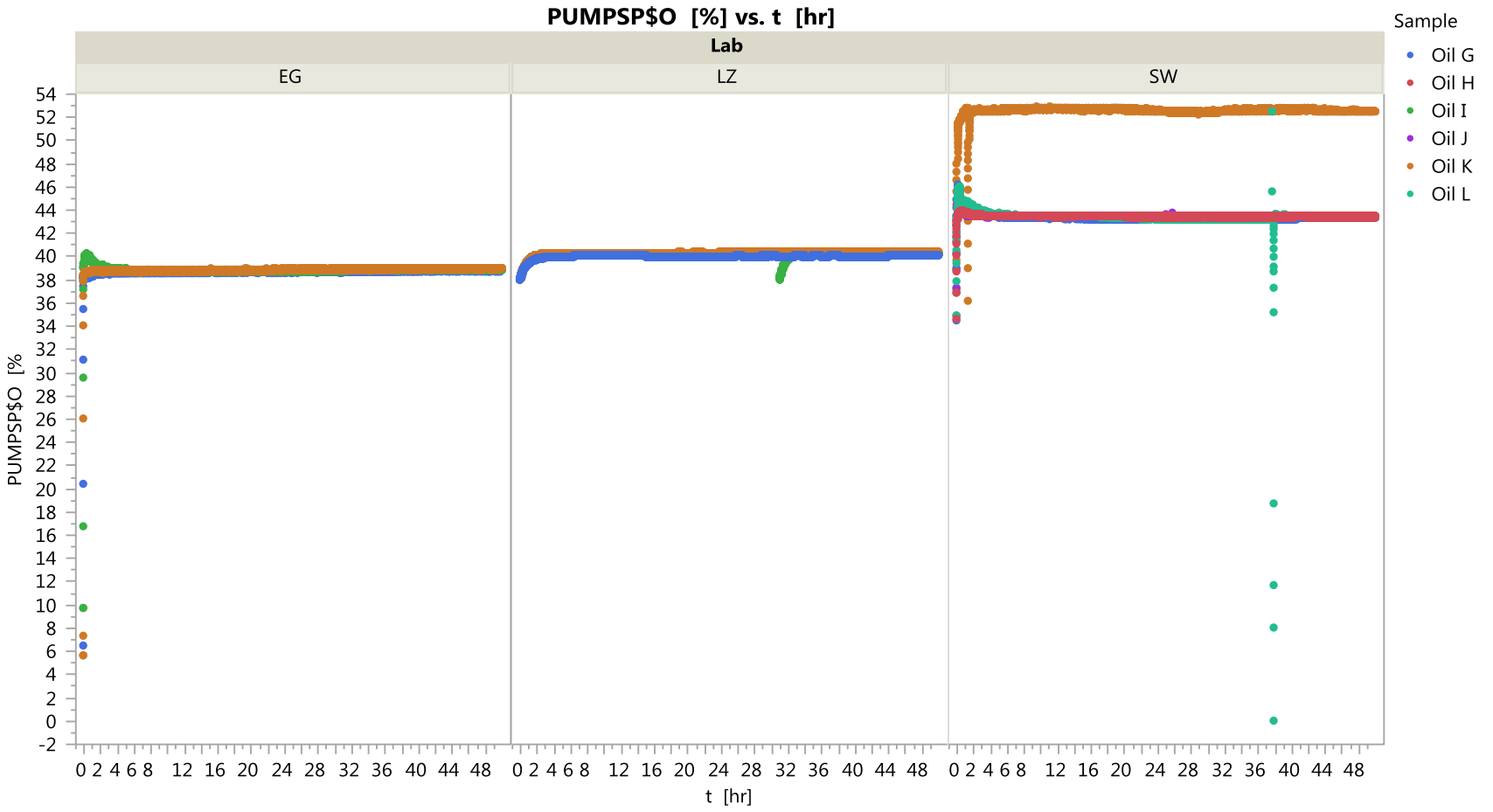
Micromotion inlet and outlet temperature



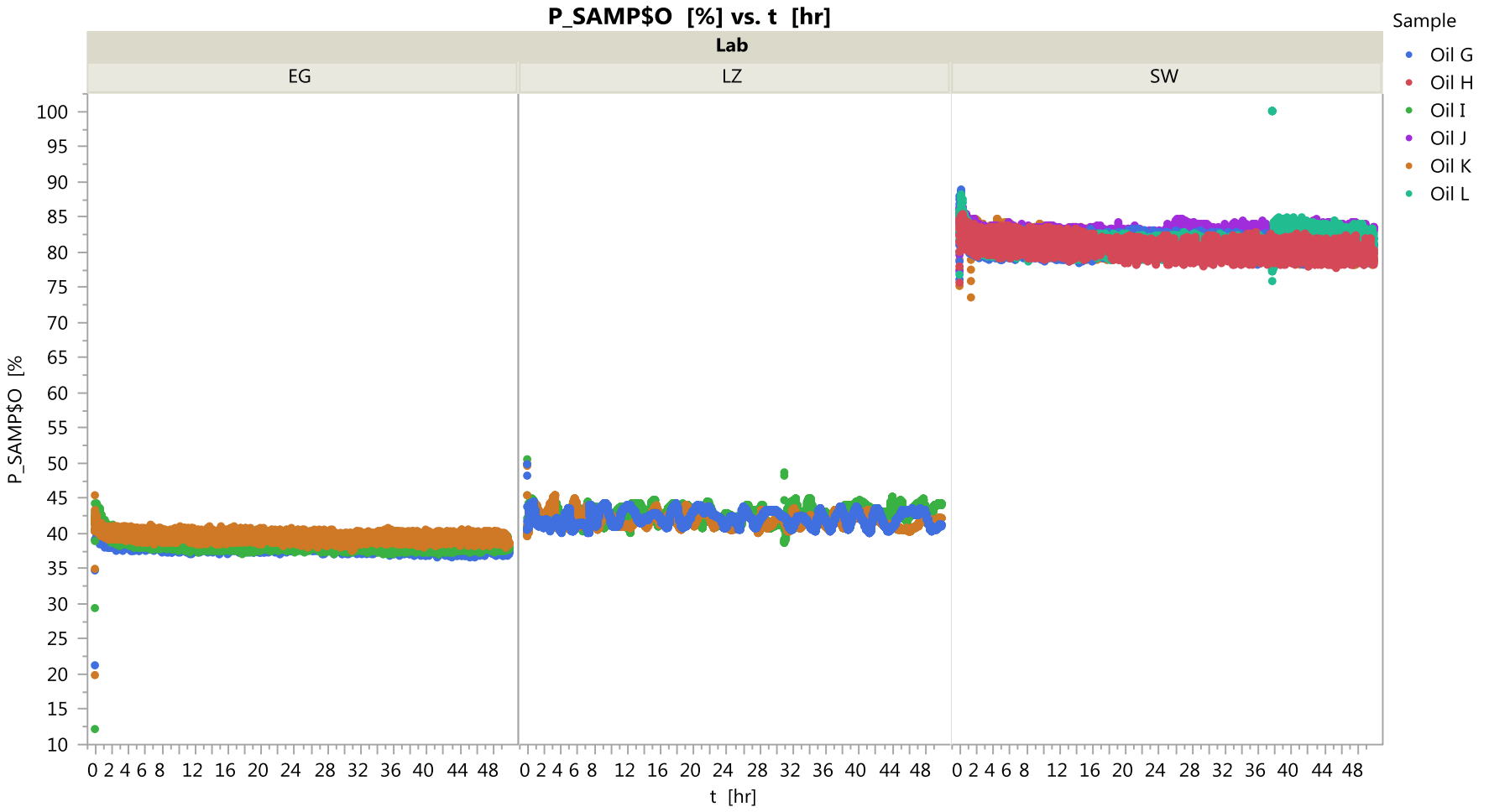
Heater Temperature



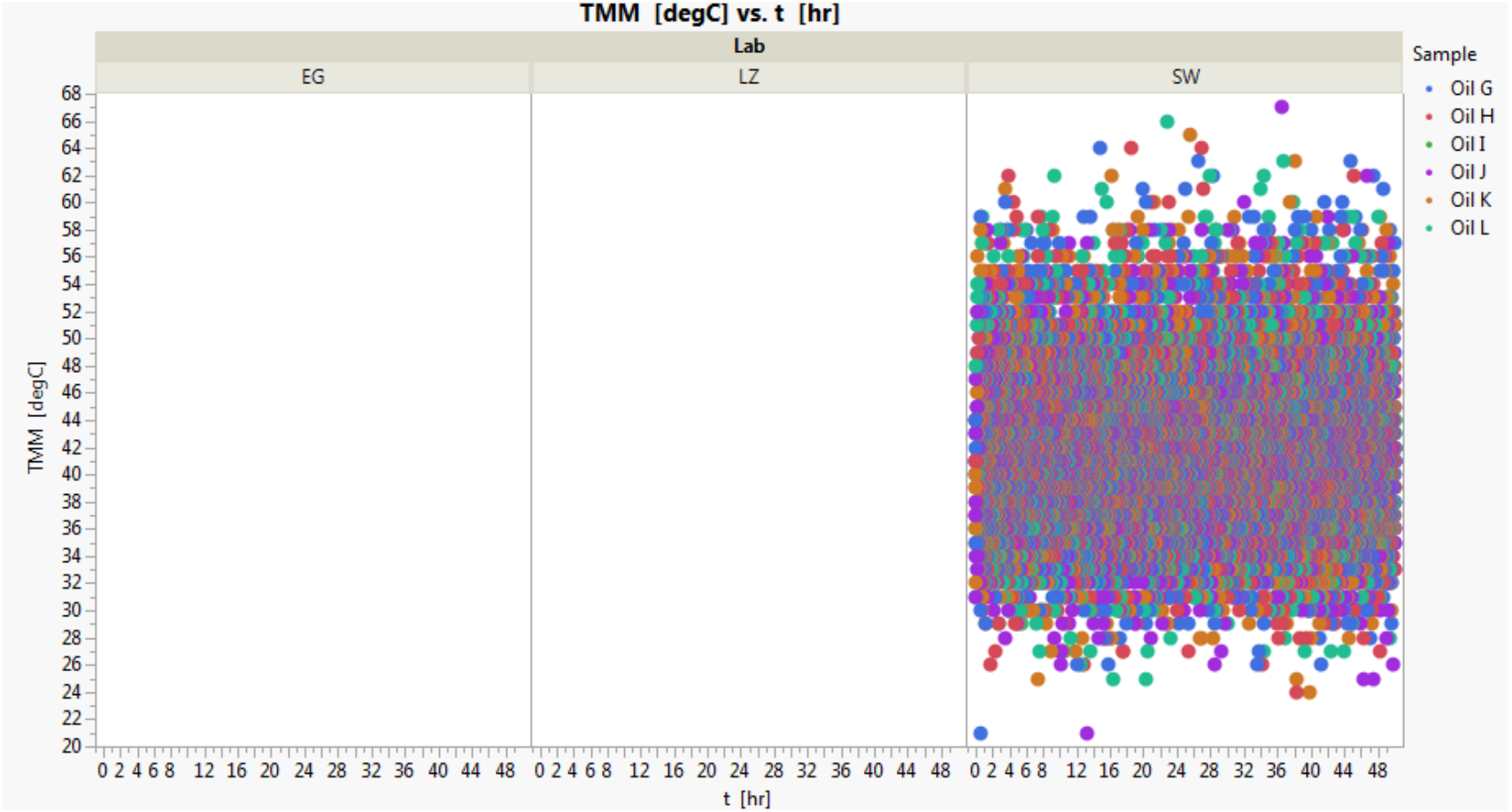
Pump Speed Signal Output



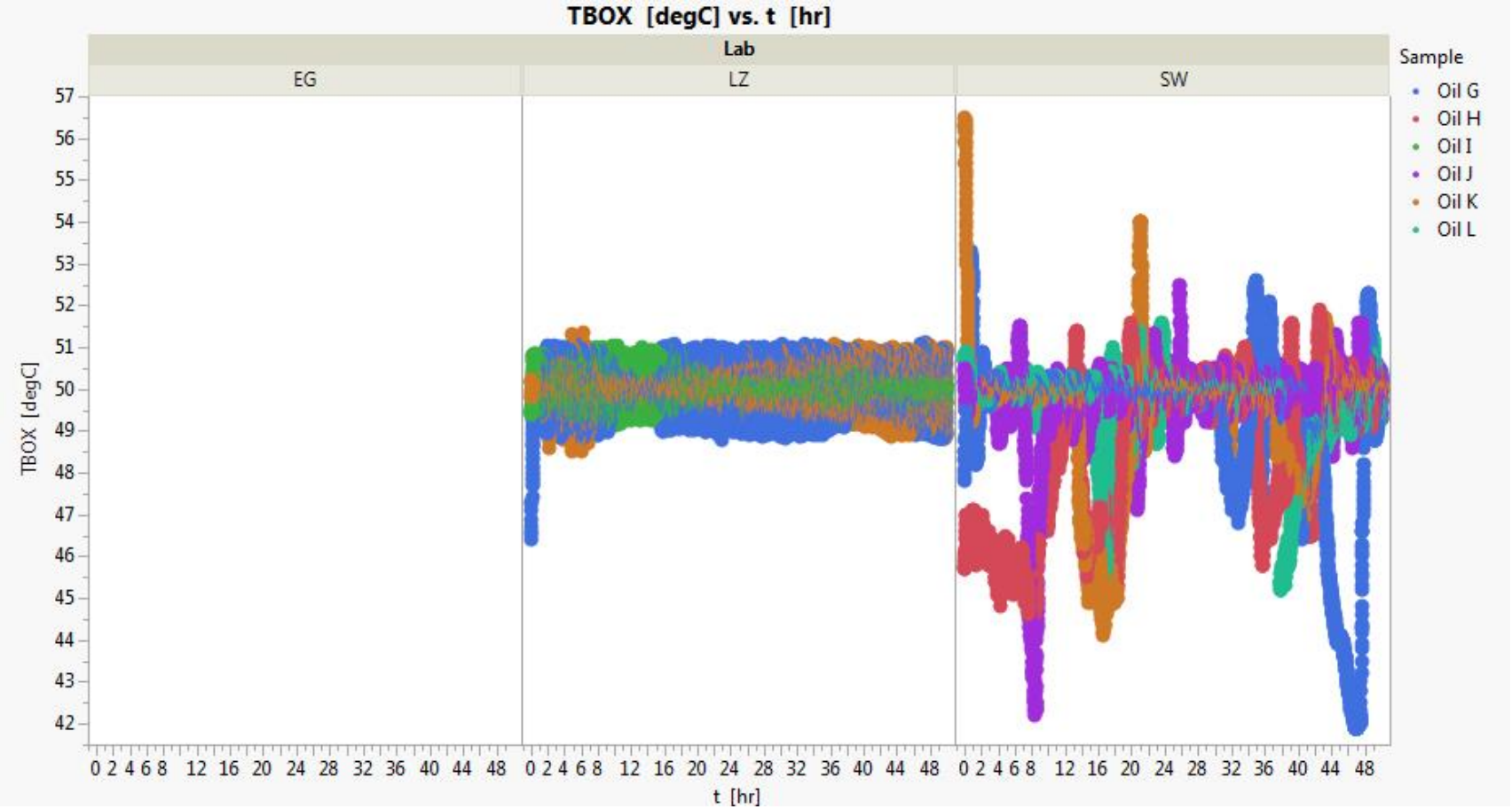
Pressure Regulator Signal Output



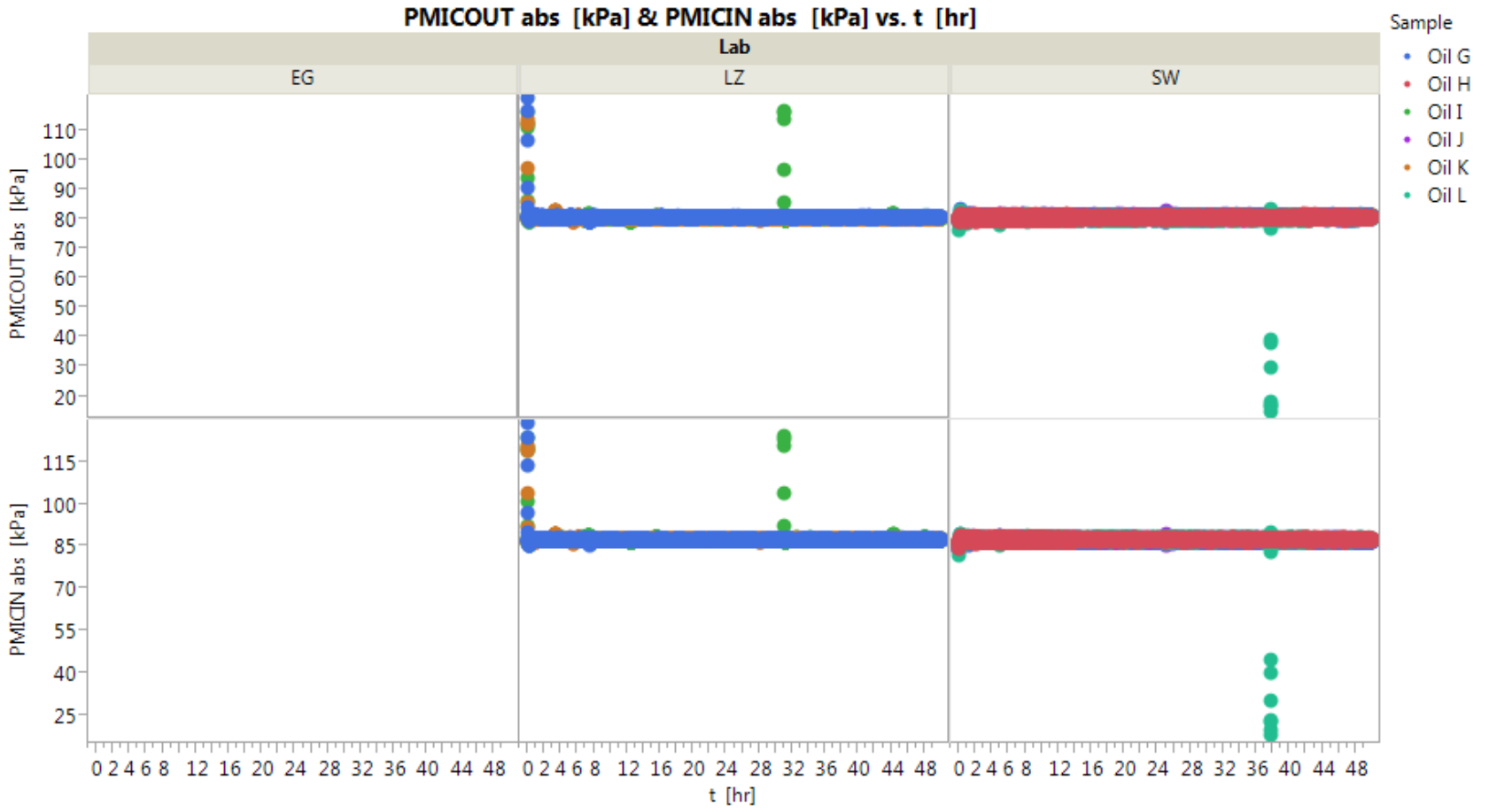
Micromotion Temperature



Box Temperature



Micromotion inlet and outlet pressure



Micromotion inlet and outlet pressure