



NPRA

National Petrochemical & Refiners Association

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Houston, Texas

NPRA International Lubricants & Waxes Meeting

Marriott Westchase Hotel
Houston, Texas
November 13-14, 2008



NPRA

Schedule of Events

Wednesday 3:00 pm – 6:00 pm	November 12, 2008 Registration Grand Ballroom Foyer
Thursday 8:00 am – 6:00 pm	November 13, 2008 Registration Grand Ballroom Foyer
8:00 am – 9:00 am	Coffee Service Grand Ballroom Foyer
9:00 am – 10:00 am Grand Ballroom Salons A - D	Wax Session <ul style="list-style-type: none">Wax Refining Data CorrelationsFunction and Performance of Hydrocarbon Waxes in Rigid PVC
10:00 am – 10:30 am	Coffee Break Sponsored by Valero Grand Ballroom Foyer
10:30 am – 11:30 am Grand Ballroom Salons A - D	Special Presentation Political Climate Change
11:30 am – 2:00 pm Westchase 1 - 2	Lubricants & Waxes Committee Meeting <i>Members and invited guests only please.</i>
2:00 pm – 4:30 pm Grand Ballroom Salons A - D	Base Oils Session <ul style="list-style-type: none">After The 2008 Confusion – When The Dust SettlesGroup II Base Oils: A Valuable Asset for Global Lubricant FormulatorsThe World of Naphthenics: Demand & Supply
3:30 pm – 3:45 pm	Refreshment Break Grand Ballroom Foyer
4:30 pm – 6:00 pm	Reception Sponsored by SK Energy Co., Ltd. Grand Ballroom Salon E
Friday 7:00 am – 11:00 am	November 14, 2008 Registration Grand Ballroom Foyer
7:30 am – 8:00 am	Coffee Service Grand Ballroom Foyer
8:00 am – 11:00 am Grand Ballroom Salons A - D	International and Future Developments Session <ul style="list-style-type: none">The Market Outlook for Group I Basestocks in the Middle East: What Is the Future for Group I Basestocks in the Region?Blending Values of Different Group III Base Stock SlatesLubricants and Waxes from a Shipowner's PerspectiveHow Declining Gasoline Markets Create Base Oil Opportunities

Sponsors

NPRA thanks the following companies for sponsoring events at this year's meeting:
S.K. Energy Co., Ltd. / Reception
Valero / Thursday Morning Coffee Breaks

Wax Session

Thursday, November 13
9:00 am – 10:00 am

Conference Presider:
Dr. H. Ernest Henderson, CITGO

Wax Refining Data Correlations
Jamie Brunk, Solomon Associates

This presentation will provide an overview of historical wax pricing information in context of petroleum refining/wax manufacturing.

Function and Performance of Hydrocarbon Waxes in Rigid PVC
Tom Pedersen, Rheogistics LLC

This presentation will discuss extrusion of rigid PVC, the function and performance of hydrocarbon waxes as lubricant for processing rigid PVC, and how certain changes in hydrocarbon wax properties affect the rheology of a rigid PVC compound.

Special Presentation

Thursday, November 13
10:30 am – 11:30 am

Political Climate Change
Greg Scott, NPRA

Greg Scott, Executive Vice President and General Counsel at NPRA, will share his analysis of the 2008 presidential and congressional election results and what the results may mean for policy issues relevant to the oil and gas industry. He also will discuss the major public policy challenges and opportunities facing the refining and petrochemical industries in 2009.

Base Oils Session

Thursday, November 13
2:00 pm – 4:30 pm

After The 2008 Confusion – When The Dust Settles
Larry Solomon, Strategic Resources

Previous installments of this presentation were given in 1988, 2000, 2005, and 2006. This presentation updates Private Sector Passenger Car and Light Truck (Class 1 and 2) motor oil consumption and projects out to 2013. Projections are affected by key market condition drivers, including "aging vehicle population due to decreased vehicle production"; "volatile gasoline prices", "extended motor oil drain intervals"; etc. However despite these market condition drivers, there are opportunities for manufacturers to win in this changing market environment.

Group II Base Oils: A Valuable Asset for Global Lubricant Formulators
Douglas Bea, Chevron Global Lubricants

Ever tightening standards for lower tailpipe emissions, better fuel economy and low SAPS compliance are pushing lubricant manufacturers worldwide to formulate with higher percentages of Group III base oils. This is particularly true for 5W and 0W motor oils. The major additive suppliers, working with Chevron Group II base oils have developed formulations that meet upcoming ACEA and API standards with dramatically lower amounts of Group III base oils.

The World of Naphthenics: Demand & Supply
Per Klintstam, Ergon Europe MEA

The presentation will discuss global demand scenarios per region and per segment, followed by current and projected production capacities and an analysis of the challenges ahead.

NPRA Lubricants & Waxes Committee

The NPRA Lubricants & Waxes Committee hosts the International Lubricants & Waxes Meeting. Its members volunteer their time to develop conference topics and moderate sessions at the meeting. The current committee is listed below:

Terrence A. Hoffman, Chair, Valero Energy Corporation
Frank Magee, Vice Chair, The International Group
Roy Allen, Baker Petrolite Corporation
Steve Benwell, Infineum USA L.P.
Larry Buck, Calumet Specialty Products
Craig Busbea, Ergon, Inc.
Barbara Dennis, Castrol North America, Inc.
Mose Dunning, Exxon Mobil Corporation
Elizabeth Fields, SK E&P
Patrick Gribbin, Sunoco Inc.
Philip Griffith, ConocoPhillips
Rob Harvan, Chevron Oronite
Jay Heintschel, Marathon Petroleum Co.
James Horvath, Afton Chemical Corp.

Min-Gee Hsia, Sasol Wax North America Corp.
Anwer Hussain, CHS Inc.
Moshe Mashal, Haifa Basic Oils
Kirk McNaughton, Safety-Kleen Corp.
Ed Norris, Shell Oil Company
Richard Perrier, Petro-Canada Lubricants
Angelo Posa, Lubrizol Corporation
John Robinson, American Refining Group
Mitchell Skaggs, Ashland, Inc.
Clark Smith, Cross Oil Refining & Marketing, Inc.
Gregory M. Scott, Attorney, NPRA
Daniel J. Strachan, Secretary, NPRA

2008 NPRA International Lubricants & Waxes Meeting Program Committee
Elizabeth Fields, Chair, SK E&P
Amy Claxton, My Energy
Bill Downey, Kline & Company
Frank Magee, The International Group
Ed Norris, Shell Oil Company
Daniel J. Strachan, Secretary, NPRA

International and Future Developments Session

Friday, November 14
8:00 am – 11:00 am

The Market Outlook for Group I Basestocks in the Middle East: What Is the Future for Group I Basestocks in the Region?
Bill Downey, Kline & Company

This paper will begin with an examination of the global basestock supply and demand then look at the drivers for finished lubricants, changing basestock requirements and examine supply demand balances by both API Group and geographic regions.

Blending Values of Different Group III Base Stock Slates
Eng Kiang Ong, Petronas

The properties of each Group III base stock slate are determined by the choice of feedstock and manufacturing process. Each Group III base stock slate will respond differently to a particular PCMO formulation. Group II 5W-XX formulations can be optimized with Group III base stock. The right selection of Group III base stocks can minimize the usage of Viscosity Modifier in 5W-30 PCMO formulations.

Lubricants and Waxes from a Shipowner's Perspective
Morten Nystad, Odfjell Tankers

This presentation will discuss the importance of lubes and waxes as cargoes for tanker owners, and look at factors that impact future seaborne transportation of such products, seen from a shipowner's perspective.

How Declining Gasoline Markets Create Base Oil Opportunities
Kurt Barrow, Purvin & Gertz, Inc.

As refineries shift yields and investment strategies towards diesel production, there will be new opportunities for base oil manufacturers and buyers. Refineries will look increasingly to hydrocracking technologies to provide the needed yield shift. Incorporating Group II / III base oil production into a hydrocracking project can improve the economics and upgrade the base oil product offerings.