

Base Oils II - Product Quality and Global Profitability 10.30AM GMT // 2:30PM UAE

Module 1	
10.30	Welcome and course introduction
10.40	 Refresher: Base Oils I Terminology & Technology Crude and base oil naming conventions Technology, key properties, and where they're controlled API Groups: the detailed definitions
11.10	 Volatility Requirements - Industry Game Changer The technical details of viscosity index (VI) Volatility: another base oil property to understand VI – Volatility – Viscosity relationships
12:10	Break
12:40	 Viscosity & Engine Oils: an overview Viscosity measurement under different conditions Putting it together: SAE J-300 Engine Oils Why engine oils matter to all other base oil sectors
13:25	Summary and conclusions
13:30	End of day one



Base Oils II - Product Quality and Global Profitability

Module 2

10:30	Global	Variations	in	Rasa	ΛiI	Quality
10.30	Giobai	variations	111	Dase	UII	Quality

- Major supplier comparisons: Group I, II, III qualities
- · Quality differences within the same groups
- GTL and PAO: quality nirvana (for some applications)

11:15 Base Oil Pricing Mechanisms

- Mechanisms what sets base oil price?
- Price ceilings: buyers (finished lubricants; process oils)
- Price floors: sellers (base oil refiners & marketers)

12:00 Break

12:30 Base Oil Refinery Profitability

- Profit basics: revenue less expenses
- Fuels versus lubes: who pays for what?
- By-products from base oil plants
- Exercise: Group I vs Group II vs Group III profitability

13:15 Discussion: Findings of profitability exercise

13:30 End of day two



Base Oils II - Product Quality and Global Profitability

Module 3	
10:30	 Base Oil Forecasting Methodology Current global supply and demand Factors to consider when doing a base oil forecast Example: A simplified 2025 base oil forecast
11:30	 Group Discussion & Opinions Will Group I cease to exist? Global recovery timing post-COVID Example: A simplified 2025 base oil forecast
12:00	Break
12:30	 Trends & Ideas: Survival of the Fittest Unintended consequences from hydroprocessing More supply from re-refined oils and bio-lubricants? New survival schemes required
13:20	Summary and course conclusion
13:30	End of the course