

# The New CITGO, Mystik, and Clarion Product Guides

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### Amber Fessler, CLS, OMA-I, CLGS

- CITGO Sr. Technical Services Representative
- Materials Engineer
- 11 Years Experience in Lubricants
- STLE Certified
  - Certified Lubrication Specialist
  - Oil Monitoring Analyst I
- NLGI Certified
  - Certified Lubricating Grease
    Specialist



## David Turner, CLS, OMA-I, CLGS

- CITGO Sr. Technical Services Representative
- BS, Chemical Engineering
- 40+ Years Experience in Lubricants
- STLE Certified
  - Certified Lubrication Specialist
  - Oil Monitoring Analyst I
- NLGI Certified
  - Certified Lubricating Grease Specialist
- Active in STLE, NLGI, and ASTM



### Agenda

**Product Guide Layout** 

- Important Phone Numbers
- Quality Statement
- Table of Contents
- PI Sheets
- Reference Information
- Index
- **Reference Information** 
  - What is Included and How to Use the Reference Information

**PI** Sheets

- Layout
- Content
- How to Read a PI Sheet

How to Get the New Product Guides



#### **Product Guide Layout**

Important Phone Numbers Quality Statement Table of Contents PI Sheets Reference Information Index

### **Product Guide Layout**

- Important Phone Numbers
  - Product Answer Line 800-248-4684
  - Order Management 800-331-4068, option 1
  - Customer Experience 800-331-4068, option 2
- Quality Statement and ISO 9001 Certifications
- Table of Contents Organized by Product Types
- Product Information (PI) Sheets
- Reference Information
- Index Alphabetical Listing of Products

### Table of Contents – CITGO Product Guide

- Engine Oils
  - PCMO Passenger Car Motor Oils
  - HDEO Heavy Duty Engine Oils
  - Small Engine Oils
- Automotive Gear Oils
- Transmission/Power Fluids
- Industrial Fluids
- Industrial Gear Oils
- Metalworking Fluids
- Industrial Gas Engine Oils
- Railroad Lubricants
- Functional Products
- Compressor Lubricants
- Process Oils

#### How to Find a Product

- By Product Type Look in the Table of Contents for the section covering the product type desired. Example: Industrial Gear Oils, then look for the specific product, e.g. CITGEAR Synthetic PAG Gear Fluids
- By Product Name Look in the Index for the product name, listed alphabetically – e.g. CITGEAR Synthetic PAG Gear Fluid

### **Reference Information**

What is Included and How to Use the Reference Information

#### How to Use the Reference Information

- Information is provided for reference purposes
- Product application charts are starting points for product recommendations
- Technical Bulletins are for information and learning

### **Reference Information – Engine and Gear Oils**

- API Engine Oil Guide
  - Gasoline and Diesel Service Categories
  - ILSAC Standard for PCMO
- HDEO product cross reference
  - Conventional, Synthetic Blend, Synthetic
- SAE J300 Engine Oil Viscosity Grades
- SAE J306 Automotive Gear Oil Viscosity Grades
- Transmission Product Application Bulletin

#### **Reference Information – Industrial Oils**

- Guide to Synthetic Industrial Lubricants
- Compatibility of Common Elastomers and Plastics
- Compressor OEM Fluid Cross Reference
- Understanding the ISO 4406 Lubricant Cleanliness Rating System
- Use of Fire Resistant Hydraulic Fluids
- Water Glycols Compatibility

### **Reference Information - Viscosity**

- Comparative Viscosity Classifications
  - ISO, AGMA

### **Reference Information - Metalworking**

- Product Application Guide Water Miscible
  - CITCOOL, Trukut
- Product Application Guide Straight Oils
  - Autokut AS, IS, Tri-Purpose
- Metal Removal Fluid Application Overview
- Metals Machinability Ratings

#### **Reference Information – Industrial Gas Engine Oil**

- Stationary Natural Gas Engine Oil Cross Reference
- Natural Gas Compressor Lubricant Chart
- Natural Gas Compression Application Chart
- Pacemaker GEO Application Chart
- US EPA Amendments to the NESHAP for Stationary RICE

#### **Reference Information - Miscellaneous**

- CITGO Sensitive Products List
- Lubricant Storage and Handling and Shelf Life Guidelines
- How to Take a Sample
- Taking a Sample From Bulk Tanks
- Field & Operations Safety and Personal Protective Equipment
- Marketer Packaging Guidelines and Lubricants Compatibility Chart
- Who Moved my Grease Cross Reference Chart
- Viscosity Grade Comparison Chart

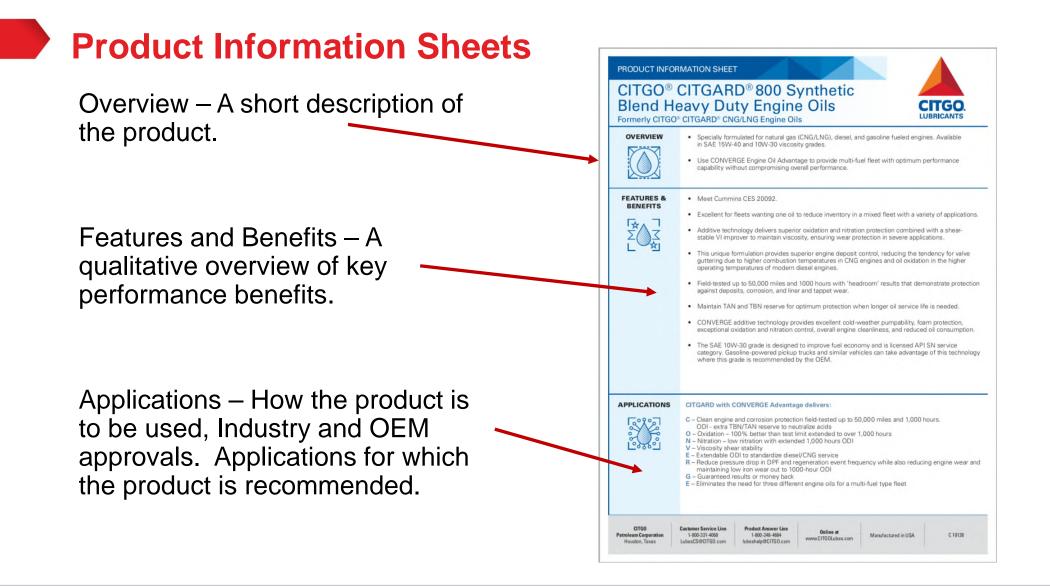
#### **Reference Information – Greases – Mystik Guide**

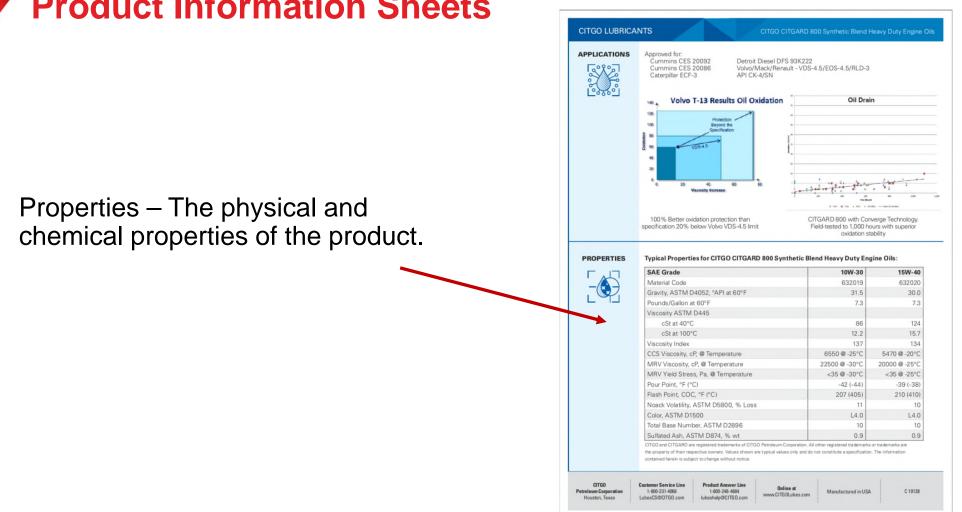
- Grease Characteristics Chart
- NLGI Grease Consistency Classifications\*
- ASTM D4950 Classification and Specifications for Automotive Service Fill Greases Description and Service Marks
  - GC-LB, GC, LB
- Grease Thickener Compatibility Chart\*

\*Also in the Clarion Guide

## **Product Information Sheets**

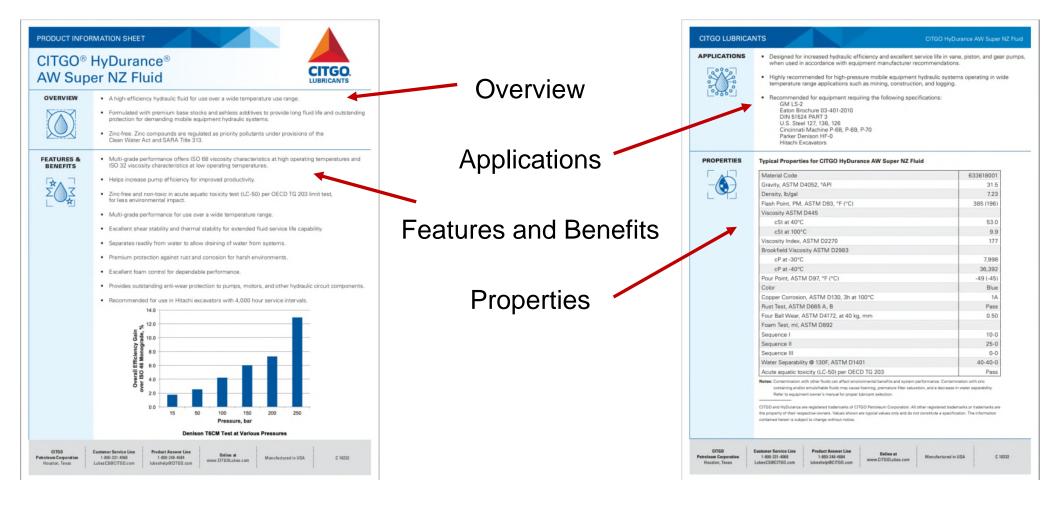
Layout Content How to Read a PI Sheet



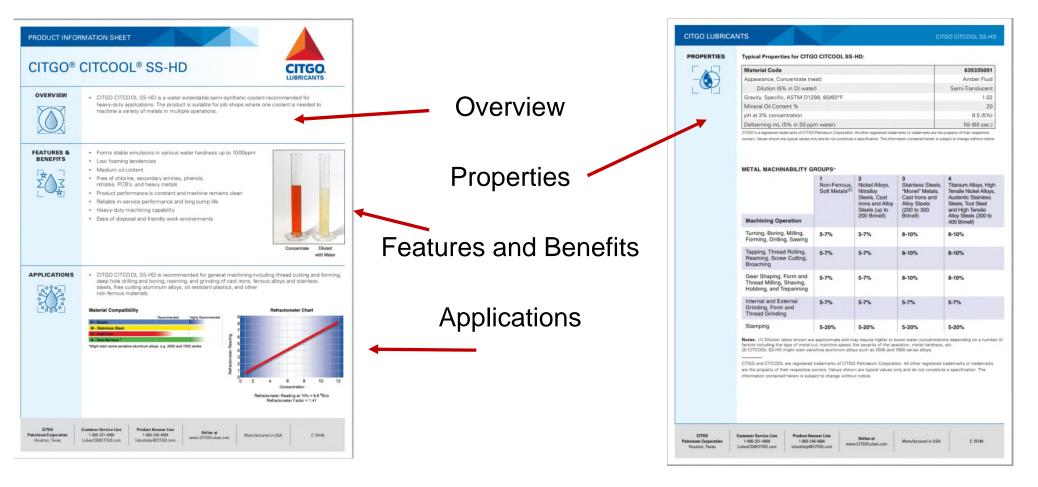


#### **Product Information Sheets**

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#### **Product Application Sheets**



### **Product Information Sheets – Key Tests**

- Viscosity
- Density/Gravity
- Flash Point
- Pour Point
- Appearance/Color
- Performance Properties
- Grease Consistency (Penetration)
- Grease Dropping Point







### How Do I Get the New Product Guides?





### Questions

• Please post your questions using the Q&A function.

### How to Contact Us

• Lubes Answer Line

#### 800-248-4684

8:00 AM - 12:00 PM, 1:00 PM – 5:00 PM CT Monday through Thursday

8:00 AM - 12:00 PM, 1:00 PM - 4:30 PM CT Friday

lubeshelp@citgo.com

### **Future Webinars**

- September 2, 2022 Fundamentals of LubricationSeptember 16, 2022 Transmission and Drive Train LubricantsOctober 7, 2022 CITGO Metalworking Fluids
- October 21, 2022 Clarion Lubricants
- November 11, 2022 CITGO Stationary Gas Engine Oils
- December 2, 2022 Wireline Lubricants
- December 16, 2022 Industrial Gears and Gear Lubrication