

## PACIFIC OPERATIONS

### KM Policy Supplier Quality Certification

As a part of KM's quality oversight program, KM requires each supplier to provide a copy of a "Supplier Quality Certification" indicating quality analysis and regulatory compliance for each batch tendered to the pipeline for shipment for the categories shown. Included in the following sections are individual forms for:

- Conventional Gasoline - RVP
- CARB Gasoline/CARBOB
- Reformulated Gasoline
- Diesel/Biodiesel
- Renewable Diesel
- Aviation Fuels
- Arizona AZRBOB
- Mexican Gasoline - RVP

To ensure regulatory compliance and acceptance for pumping, the "Supplier Quality Certification" form must be received at the appropriate KM input location **at least 2 hours prior to gathering or pumping of the product, whichever occurs first.**

KINDER MORGAN PRODUCTS PIPELINES  
POLICY AND PROCEDURE FOR ESTABLISHING  
PRODUCT QUALITY SPECIFICATIONS  
**Pacific Operations**

Policy:

It is the Carrier's Policy to only receive, transport and distribute products that meet or exceed the local, state or federal requirements for product quality. Carrier reserves the right to impose more stringent product quality specifications due to operational considerations.

Procedure:

- Identify all local, state and federal laws and specifications pertaining to each grade of product transported via the pipeline network operated by Kinder Morgan.
- Identify any operational issues that may require the Carrier to adopt a specification other than required by any local, state or federal regulation.
- In cases where the specification can be met by a range of values, Carrier reserves the right to conduct a survey of connected "Producers" having the potential to manufacture the product. In such cases, each "Producer" (Company) shall be entitled to a single vote. A simple majority among the Producers will determine the specification in question. In the event a simple majority cannot be obtained, Carrier reserves the right to solicit additional information as needed and set the specification as Carrier deems necessary. All information obtained by the Carrier during a survey shall remain confidential.
- It is the Carrier's intent to publish any changes in product specifications at least 60-days prior to implementation whenever possible.

## Approved Additives

### *Gum Inhibitors and Metal Deactivators*

The use of gum inhibitors and metal deactivators is permitted, but not required, as listed below:

| <b>Gum Inhibitors and Metal Deactivators</b>            |
|---|
| N, N' di-secondary butyl para-phenylenediamine          |
| N, N' disalicylidene-1, 2 propanediamine                |
| N, N' di (1-ethyl-2-methylpentyl) para-phenylenediamine |
| 2, 6-di-tertiary butyl 4 methyl phenol                  |
| N, N' di-isopropyl-para-phenylenediamine                |
| n-butyl para-aminophenol                                |
| N, N' bis-(1,4-dimethylpentyl)-p-phenylenediamine       |
| 2,4,6-tritertiary butylphenol                           |
| ortho-tertiary butylphenol                              |
| 2,4 diamethyl-6-tertiary-butylphenol                    |
| 2,4 di-tertiary butylphenol                             |
| 2,6 di-tertiary butylphenol                             |
| N, secondary butyl, N' phenyl-para-phenylenediamine     |
| Mixed propylated and butylated phenols                  |
| Butylated ethyl, methyl and dimethyl phenols            |
| 2,4,6 tri-isopropylphenol                               |

### *Corrosion Inhibitors*

Listed below is an approved list of corrosion inhibitors that may be used by a customer:

| <b>Corrosion Inhibitors for Gasolines</b> |                                    |                      |                  |
|---|------------------------------------|----------------------|------------------|
| Aqua Process 11CH77                       | MidContinental<br>Chemical MCC5001 |                      | Unichem 7500     |
| Afton Chemical<br>HiTEC 6455, 4875        | Mobil C-605                        | SPEC-AID 8Q109       | Unichem 7501     |
| Corexit 5267                              | Nalco 5403                         | SPEC-AID 8Q110       | Unichem 7510     |
| Innospec DCI-4A                           | Nalco 5405                         | SPEC-AID 8Q112       | UOP Unicor       |
| Innospec DCI-6A                           | Nalco 5406                         | SPEC-AID<br>8Q109ULS | UOP Unicor J     |
| Innospec DCI-11                           | Nalco EC624A                       | SPEC-AID             | UOP Unicor PL    |
|   | Nalco EC 5407A                     | 8Q123ULS             |                  |
| Innospec DCI-30.N                         | SPEC-AID 8Q22                      | Tolad 245            | Champion RPS-622 |
| Ethyl HiTec 580                           | SPEC-AID 8Q100                     | Tolad 249            | Champion 807     |
| Lubrizol 8014                             | SPEC-AID 8Q101                     | Tolad 3232           |                  |
| Lubrizol 8017                             | SPEC-AID 8Q102                     | Tolad 3232D          |                  |
| Lubrizol 541                              | SPEC-AID 8Q103                     | Tolad 4410           |                  |
|   |                                    | Tolad 9715           |                  |

*Other Additives*

In addition to the above additives, the following may be used in fungible fuel oils and ultra low sulfur diesel fuels:

| <b>Other Additives Allowed</b> |                |              |
|--------------------------------|----------------|--------------|
| Dupont AFA-1                   | Innospec DMA-4 | Nalco 5400-A |

Diesel fuel may contain static dissipator additive (SDA). Innospec Stadis® 450 is the only approved SDA with a maximum origin concentration of 0.75 mg/l. The origin maximum conductivity allowed is 250 pS/m at 21°C (70°F) by ASTM D2624

Biodiesel (FAME) is not allowed at origin (EXCEPTION – Product Code D5 on Oregon Line ONLY).