



World Leader in Catalyst Services

SPENT HYDROTREATING CATALYST QUALITY PARAMETERS

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SPENT HYDROTREATING CATALYST QUALITY PARAMETERS

☑ PHYSICAL CHARACTERISTICS:

SURFACE AREA (RETAINED FOLLOWING LABORATORY REGENERATION):

Ni/Mo CATALYST:

>90% OF FRESH CATALYST SURFACE AREA RETAINED

>75% SURFACE RETENTION FOR 1/10" OR LARGER SIZED CATALYST

Co/Mo CATALYST:

>80% OF FRESH CATALYST SURFACE AREA RETAINED

>70% SURFACE RETENTION FOR 1/10" OR LARGER SIZED CATALYST

LENGTH / DIAMETER (L/D) MEASUREMENTS:

1/20" AND 1/16" DIAMETER CATALYST: >2.0 L/D

1/10" AND LARGER:>1.5 L/D

ATTRITION: <2.0 WEIGHT %

CRUSH STRENGTH: COMPARABLE TO TYPICAL FRESH CATALYST

☑ CHEMICAL CHARACTERISTICS:

CARBON AND SULFUR: <1.0 WEIGHT % EACH

(FOLLOWING LABORATORY SIMULATED REGENERATION)

CONTAMINANT METALS (AS, PB, FE, V, NA, AND SI):

<0.15 WEIGHT % FOR AS OR PB

<0.30 WEIGHT % FOR NA

<1.0 WEIGHT % FOR FE, V, OR SI (EXCLUDING INTRINSIC SILICON)

<2.0 WEIGHT % FOR COMBINED CONTAMINANT METALS

☑ OTHER:

MINIMAL OR NO FREE LIQUIDS (AS HYDROCARBON OR WATER)

SPENT MATERIALS ARE FREE-FLOWING