DYN 2-431

Heavy Duty Diesel Engine Oil Additive

Description

DYN 2-431 is a multifunctional Heavy Duty Diesel Engine Oil Additive Package which has got a good dispersancy and antioxidation properties, and is composed of synthetic sulphonate, ashless dispersant, anti-oxidants, corrosion inhibitors, etc. It is designed for use in formulating cost-effective lubricants meeting the performance requirements of API CF/SF, CD,CC,CB and MACK T-8A.

Recommended Treat Rate

Performance Level	TBN	DYN 2-431, %wt
API CF (15W-40 , 20W-40 , 20W-50 , 30 , 40 , 50)	**11**	**5.2**
API CD (15W-40 , 20W-40 , 20W-50 , 30 , 40 , 50)	**11**	**5.0**
API CC (20W , 30 , 40 . 50)	**6**	**2.8**
API CB (20W , 30 , 40 . 50)	**5**	**2.3**

Typical Characteristics

Typical Inspection	Specification	Typical	Test Method
Kinematic Viscosity @ 100˚C , cSt	85 Min.	**105**	ASTM D445
Flash Point , ˚C	165 Min.	**190**	ASTM D93
Magnesium Content , % wt	4.80 - 4.98	**4.85**	ASTM D4951
Phosphorus Content , % wt	1.16 - 1.30	**1.20**	ASTM D4951
Sulfur Content , % wt	1.88 - 2.05	**1.90**	ASTM D4951
Zinc Content , % wt	1.25 - 1.40	**1.30**	ASTM D4951
Nitrogen Content , % wt	0.40 - 0.65	**0.52**	ASTM D5291
Sulfated Ash , % wt	24 Max.	**22.50**	ASTM D874
Total Base Number , mg KOH/g	220 Max.	**225**	ASTM D2896
Density @ 15˚C	952 - 1060	**1000**	ASTM D4927

Packing And Handling

DYN 2-431 is packed in metal drums and is normally handled at room temperature. For general purposes, the following storage and handling temperatures are recommended: Storage Handling 50- 70°C (122-158°F). For more extensive information on the safe handling and use of this product, see the Material Safety Data Sheet.

For further information contact:
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