

EMIRATES 1 GAS ENGINE OILS

(Heavy Duty Gas Engine Oils)

Description

Emirates 1 Gas Engine Oils are advanced, heavy duty, high performance engine oil recommended for modern naturally aspirated and turbocharged four-stroke engines in on-road applications running on natural gas and LP gas. Formulated with ultra-pure, premium paraffinic base oils and specialized additive technology, this advanced engine oil delivers outstanding long-term performance in service applications operating under high-load, high-stress conditions and in all seasons. Premium formulation components minimize the co-efficient of friction between moving parts inside an engine promoting energy conservation and potential fuel economy savings through reduced viscous drag, easier engine starts, and reduced need for warm-up idling.

Applications

Emirates 1 Gas Engine Oils premium, heavy duty engine oil designed for use in naturally aspirated, turbocharged four-stroke engines running on natural and LP gas, in on/off-road services and stationary natural gas engine applications. Typical applications for **Emirates 1 Gas Engine Oils** include (but are not limited to): **Current on-road low emission heavy duty natural gas and LP gas engine designs , Current off-highway heavy duty natural gas engines in stationary or mobile equipment such as generators and pumps in construction, agriculture, marine, and mining applications.**

Properties

Emirates 1 Gas Engine Oils utilize field proven additive technology which delivers outstanding oxidation control, engine cleanliness, and viscosity retention for outstanding service life. Anti-wear protection exceeds industry standards and tough OEM specifications. The combination of these additives with premium base oil yields a finished fluid which resists carbon deposits in the combustion chamber and exhaust ports as well as keeps spark plugs clean.

Recommendations/Specifications

Meets or exceeds: SAE 15w-40 (Cummins® - CES 20074 ,Detroit Diesel® - PGOS 93K216 , Waukesha – Class A (up to 1000 cubic inches), **Ingersoll Rand – Class I, II natural gas, Caterpillar – where multi-grade is recommended , Clark , Climax ,Cooper-Bessemer , Fairbanks-Morse , Roline ,International Harvester – where API SF is specified) & SAE 40 (Caterpillar (3300, 3400, 3500, 3600 Series) ,Cummins Rio-Grande ,Dresser-Rand (Categories I, II, and III) ,Fairbanks Morse ,GE Jenbacher ,MWM (DEUTZ) , MAN Co-gen , Minneapolis-Moline ,Rolls Royce , Stewart & Stevenson ,Superior ,Wärtsilä SACM 150/175 ,Waukesha Co-gen , White , Worthington).**

Typical Technical properties

Viscosity Grade, SAE J300	15W-40	40
Density at 15 ⁰ C, g/ml, ASTM D4052	0.875	0.882
Kinematic Viscosity at 40 ⁰ C, mm ² /s, ASTM D445	118	143.15
Kinematic Viscosity at 100 ⁰ C, mm ² /s, ASTM D445	15.25	14.5
Viscosity Index, ASTM D2270	135	100
Flash Point(COC), °C, ASTM D92	220	230
Pour Point, °C, ASTM D97	-30	-18
Cold Cranking Viscosity(CCS), mPa s, ASTM D5293	6600@-20 ⁰ C	-
Total Base Number, mg KOH/g, ASTM D2896 (Max)	5.2	5.1
Sulfated Ash, wt %,ASTM D874	0.5	0.48

Note: The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional queries, please contact Emirates 1 Technical Service Department.

Health and Safety: Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS). Safety Data Sheets available on request.

Available in: Cartons: 12x 1 L, 4x5L 6 x 4 L, 6 x 5 L Pails: 20 L & 25 L., Drums: 200 L, 208 L, 1000L

