

COMPRESSOR OIL 264 & 460

Premium Quality Lubricants for Reciprocating Natural Gas Compressors

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The Esso Compressor Oils 264 & 460 have been specifically formulated from highly refined paraffinic base oils and "leading edge" technology additives for reciprocating natural gas compressors. Both grades when used within their appropriate recommended application temperature and viscosity range, offer the following features and benefits:

- ◆ Outstanding cylinder and piston ring lubrication
- ◆ The unique combination of additives overcomes separation of dispersion-type additives in lubricator reservoirs, as well as downstream separators and chillers.
- ◆ High temperature stability and excellent oxidation resistance contribute to low sludge and deposit formation.
- ◆ Chemical tolerance - Compressor Oil 264 and 460 have improved tolerance to contamination by hydrogen sulphide, amines, glycols or other scrubber solutions
- ◆ Reduced sight glass staining of compressors equipped with automatic lubricators

Primary Applications

COMPRESSOR OILS 264 and 460, for natural gas service, are ideal for initial break-in of compressor cylinders and packings. Their use should continue for 300-500 hours while the lubricated components attain a high polish. Thereafter, their use may be discontinued in "sweet" and "dry" gas service if a lower viscosity is acceptable to the compressor manufacturer. If an SAE 30 grade is acceptable, ESSOLUBE* G 30 provides excellent service and may be used for the compressor as well as the engine.

If the gas being compressed is sour, wet, or contaminated with scrubber solution, COMPRESSOR OILS 264 or 460 should continue to be used in preference to an engine oil. In this way, dilution by condensates can be tolerated while a satisfactory viscosity is maintained.

Because of the high viscosity of these two grades, ample pre-use warm up time must be provided to facilitate transfer from storage containers to lubricator reservoirs.

Note: There are five other grades of Esso COMPRESSOR OIL available; 32, 46, 68, 122, 220. Their primary applications are for the lubrication of rotary and reciprocating air compressors

Precautions

The ESSO line of COMPRESSOR OILS is manufactured from quality petroleum base stocks, blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact with the skin, splashing into the eyes, ingestion, or vapour inhalation. Please refer to the ESSO Material Safety Data Sheet for further information.

Note: This product is NOT controlled under the Canadian WHMIS legislation.

Typical Properties

Grade	264	460
Kinematic Viscosity		
cSt @ 40 °C	280	485
cSt @ 100 °C	23	35
Pour Point °C	-12	-12
Flash Point °C	280	280
Density @ 15 °C	0.894	0.896
Colour ASTM	3.0	2.5

The values shown above are representative of current production. Some are controlled by manufacturing and performance specifications while others are not. All may vary within modest ranges.