

TECHNICAL SPECIFICATION FOR ITEM OF CHILLER UNIT

TEM NO: 01

Lubricant oil

Type: POE 6-8# I RL 68H

Compatible for the Midea Chillers / compressor with following specifications of the chiller and compressor



ITEM NO: 02

OIL FILTER

PART OF: CHILLER OIL SYSTEM

PART NO: YGLQ-06

APPLICABLE REFRIGERANTS: R-12, R-22, R-134a, R-404a, R-407c, R-500, R-502, R-507

CONNECTION SIZE: 7/8-14 UNF 2A



Refrigeration Compressor Lubricant

Description

an ISO VG 68 synthetic polyol ester (POE) lubricant formulated specifically for use in refrigeration and air-conditioning compressors using HFC refrigerants. This product provides effective wear protection for steel and aluminum surfaces for increased system life and improved efficiency and is suitable for both initial fill and service fill. The combination of low temperature characteristics, unparalleled chemical and thermal stability enable the use of over a wide operating temperature range.

Typical Properties*

Analysis	Method	Typical Value
Viscosity @ 40°C, cSt	ASTM D445	68.6
Viscosity @ 100°C, cSt	ASTM D445	9.5
Viscosity Index	ASTM D2270	118
Density @ 20°C, g/ml	ASTM D4052	0.9775
Flash Point, °C	ASTM D92	280
Fire Point, °C	ASTM D92	284
Pour Point, °C	ASTM D5950	-45
Total Acid Number, mgKOH/g	ASTM D974	0.03
Color	ASTM D1500	0.2
Water, ppm	ASTM D6304	<50

*These values are not intended for use in preparing specifications.

Requirement of spares/consumables for chiller system installed at New Gwadar International Airport

Note:

- Bidder should be local authorized dealer / distributor of OEM (Midea) or the source from where the products are purchased shall be authorized dealer / distributor of OEM (certificate should be attached with the bid along with relevant OEM data sheet).
- Certificate of origin issued by OEM should be provided with spares at the time of delivery.
- Relevant documents / technical literature of product by OEM to be attached with bid offered by the bidder
- Products to be delivered at NGIAP Gwadar within 60 days.
- Site acceptance test:
 - Items will be accepted after successful replacement of above items and trouble free operation of chillers by supplier as per site requirement.
- All delivered chiller oil shall be in original, sealed, airtight and factory-packed manufacturer containers. Containers must bear a permanent marked, traceable manufacturer batch code or production date, backed by a official Certificate of Analysis (COA) or Equivalent documents confirming a minimum remaining shelf life of eighteen (18) months upon site delivery. Any non-compliant, untraceable, or short-dated delivery shall be rejected outright and replaced entirely at the bidder's sole expense.
- Whenever required, the Certificate of Analysis (COA)/documents should be provided free of any cost to PAA; however, the bidder remains fully responsible to guarantee product authenticity.
- **Site acceptance test:**
Site acceptance test shall comprise physical inspection of supplied parts and checking for normal operation and overall functionality. In case any incompatibility between the supplied parts and the equipment is experienced after delivery of parts, the supplier shall be responsible for its resolution at no additional cost to PAA.


OFFICER IN-CHARGE E&M
Pakistan Airports Authority
New Gwadar Int'l Airport



