

SCL-32 Compressor Oil

Hanwha Genuine Lubricant is specially developed to maintain optimum performance of Hanwha Turbo Compressor.

SCL-32 creates a proper layer of film between moving parts to thwart friction and wear, helps safeguard components surface against extreme pressure. Thereby, SCL-32 improves the life span and efficiency of compressor.

SCL-32 is the most suitable lubricant for various types of Hanwha compressor.

We strongly recommend to use of SCL-32. Pick the right lubricant and avoid needless risk,



EXCELLENCE of SCL-32



Extend Life Span

**Extension of oil change period :
16,000HR (2Year)**

- Lubricant can be used for about 2 years due to exceptional oxidation stability

Apply various technologies to improve performance

- Sludge/Varnish control technology,
Thermal stability control technology etc.



Energy Saving Effect

Outstanding Anti-wear & Extreme pressure performance

- 4-Ball wear tests show that SCL-32 is the most superior to other commercial products
- Excellent protection of the rotating parts from extreme pressure

Traction coefficient test result : 12-15% lower than mineral/pure oil



High Quality & Stability

Mineral Based Synthetic Compressor Oil (ISO VG 32)

- API Group III Base Oil (High Paraffinic & high VI)
- High Solubility Synthetic Base Oil

Strengthen Low-Temperature properties

- Freezing point -32.5 °C



If you order lubricant analysis, you can check the efficiency and current condition of the compressor by analyzing the oil samples, which can effectively prepare preventive maintenance.

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Guidance for Compressor Oil (SCL-32) Exchange

Check Items	Test Method	Recommended Action		Remarks
		Warning	Exchange	
Viscosity(°C), %	ASTM D445	10 ↑	15 ↑	Mandatory Test Item
Acid Number, mg KOH/g	ASTM D664	0.3 ↑	0.5 ↑	
Water Content, vol %	ASTM D95	0.1 ↑	0.2 ↑	
Sediment, vol %	ASTM D91	0.1 ↑	0.2 ↑	
RPVOT, minute	ASTM D2272	-	25% ↓ of new oil	Reference
Foam Tendency & Stability, Seq. 1, ml	ASTM D892	-	450/10	
Demulsibility, min	ASTM D1401	-	60	
Rust Preventive (A method)	-	-	FAIL	

On-site visual inspection Check the lubricant status by color and transparency

- In case of cloudy oil under the machine stop state (Oil contains excess water content)
 - Need to exchange lubricant or analyze check item details
- In case of lower transparency
 - Check the above items
- In case of dark brown color or high transparency
 - Continue to use (Normal discoloration of used oil)

Physical & Chemical Properties

Performance Test	Test Method	SCL-32 (ISO VG32)
Specific Gravity, 15/4°C	ASTM D1298	0.8479
Kinematic Viscosity@40°C, cSt	ASTM D445	32.69
Kinematic Viscosity@100°C, cSt	ASTM D445	5.595
Viscosity Index	ASTM D2270	130
Pouring Point, °C	ASTM D97	-32.5
Flash Point, °C	ASTM D92	234
Oxidation Stability (RBOT), min	ASTM D2272	2546
TAN, mgKOH/g	ASTM D664	0.24
Foaming Tendency, ml	ASTM D892	10/0
Demulsibility, ml (min) Oil – Water – cuff.	ASTM D1401	42-38-0 (5)
Copper Corrosion, 100 °C, 3 hr	ASTM D130	1-a
4-Ball Wear, mm	ASTM D4172	0.41



Packing unit	Order Number ;	
	DRUM (200L)	CM02-001018A
PAIL (20L)	CM02-001019A	

Please contact local aftermarket office for ordering and details

Local office | Find at <http://www.hanwhapowersystems.co.kr>

Headquarter | Korea / TEL 055.260.2796, 055.260.2894 / E-Mail compressor@hanwha.com

