



Certificate of analysis

Certificate no.: **4300**
Product: **I-40**
Date of issue: 26.03.2024

Batch no.: 55
Date of manufacture: 26.03.2024

Typical Characteristics

Name	Test method	Value
Appearance	VL-TA-P-051	Clear and Bright
Density @15°C, g/cm ³	ASTM D4052	0.8824
Kinematic viscosity @40°C, mm ² /s ⁻¹	ASTM D445	63.62
Kinematic viscosity @100°C, mm ² /s ⁻¹	ASTM D445	8.20
Viscosity index	ASTM D2270	96
Flash Point °C	ASTM D92	225
Pour Point °C	ASTM D97	-15
Color	ASTM D1500	2.5
TBN mg KOH/g	ASTM D2896	0.8

Head of laboratory





Shell Corena S3 R 46

- Long Life
- Improved Efficiency

Premium Rotary Air Compressor Oil

Shell Corena S3 R is a premium quality air compressor oil designed to deliver high performance lubrication of rotary sliding vane and screw air compressors. It uses an advanced additive system to provide excellent protection and performance for compressors running with oil maintenance intervals of 4,000 hours and up to 6,000 hours under certain conditions.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Long oil life – Maintenance saving**

Shell Corena S3 R is capable of providing oil maintenance intervals of 4,000 hours (where allowed by manufacturers) even when operating at maximum discharge temperatures of up to 100°C. This may be extended to up to 6,000 hours under certain conditions.

It is formulated to help:

- Resist formation of carbon deposits in sliding vane slots in vane compressors.
- Resist formation of deposits on rotating components in screw compressors.
- Resist thermal breakdown and deposit formation to maintain excellent internal surface cleanliness particularly in oil/air separator and coalescer systems.
- The exact oil maintenance interval will depend on intake air quality, duty cycle and ambient conditions. For hot and humid type climates as found in the Asian and Pacific regions, the lower oil drain period of 4,000hrs is recommended (also consult OEM recommendations).

- **Outstanding wear protection**

With many years of successful application, Shell Corena S3 R helps provide effective protection of internal metal surfaces from corrosion and wear.

It contains an advanced ashless anti-wear system to help prolong the life of critical parts such as bearings and gears.

- **Maintaining system efficiency**

Air release and prevention of foaming are critical performance characteristics in a compressor oil, ensuring reliable start-up and continuous compressed air availability. Shell Corena S3 R is designed to provide rapid air release without excessive foaming to give trouble-free operation even under cycling conditions.

In addition, Shell Corena S3 R has excellent water separation properties to help ensure continuous efficient operation of the compressor even in the presence of water.

Main Applications



- **Rotary sliding vane and screw air compressors**

Shell Corena S3 R is suitable for use in oil-flooded/ oil injected single or two-stage rotary vane or screw air compressors.

Specifications, Approvals & Recommendations

- ISO 6743-3:2003(E) L-DAJ

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Compatibility & Miscibility

- **Seal Compatibility**

Shell Corena S3 R oils are compatible with seal materials specified for use with mineral oils.

Typical Physical Characteristics

Properties	Method	Shell Corena S3 R 46
ISO Viscosity Grade	ISO 3448	46
Kinematic Viscosity @40°C	mm ² /s	46

Properties			Method	Shell Corena S3 R 46
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	6.9
Viscosity Index			ISO 2909	105
Density	@15°C	kg/m ³	ASTM D 1298	868
Flash Point (COC)		°C	ASTM D 92	230
Air Release		mins	ASTM D 3427	3
RPVOT		mins	ASTM D 2272	700
FZG Test		LS Fail	CEC-L-07-A-95	11
Pour Point		°C	ASTM D 97	-30
Water Separability	@54°C	mins	ASTM D 1401	15

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

• Health and Safety

Shell Corena S3 R is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.epc.shell.com/>

• Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

• Advice

Advice on applications not covered here may be obtained from your Shell representative.

Vipoil TransROil 80W-90 GL-5

Ulei de transmisie

DESCRIEREA PRODUSULUI

VIPOIL TransROil 80W-90 API GL-5 este obținut din uleiuri minerale de calitate superioară cu cele mai noi tehnologii de aditivare care asigură nivelul de performanță API GL-5 .

SPECIFICATII

API GL-5
SAE 80W-90
API MT-1
MIL-L-2105D
ZF-TE-ML 07A/08
ZF-TE-ML 02B/05A/12L/16B/17H/19B/21A

APLICATII

VIPOIL TransROil 80W-90 API GL-5 este recomandat pentru a fi utilizat în transmisii mecanice, transmisii hipoide a autovehiculelor, camioanelor, utilajelor agricole pentru care se recomandă utilizarea unui lubrifiant de extremă presiune, ce asigură funcționarea acestora în condiții severe de lucru pentru care producătorul recomandă un ulei cu nivelul de performanță API GL-5 .

BENEFICII

- Stabilitate foarte bună la oxidare
- Rezistența la spumare
- Demulsionare excelentă
- Proprietăți:
 - anti-uzura,
 - anticoroziune
 - antioxidanți,
 - antispumant.

PROPRIETATI SPECIFICE

CARACTERISTICI	METODA	VALOARE
Densitate la 15°C, g/cm ³ , max.	ASTM D4052	0.890
Vascozitate cinematica at +40°C, mm ² /s ¹ .	ASTM D445	150.0
Vascozitate cinematica at +100°C, mm ² /s ¹ .	ASTM D445	15.0
Indice de vascozitate, min.	ASTM D2270	94
Punct de aprindere °C, min.	ASTM D92	245
Punct de curgere °C, min.	ASTM D97	-30
Demulsifiere. at +52 °C, min	DIN 51599	<30

* These values are informative. Variations of these characteristics may occur.

This lubricant does not present a particular danger if it is used according to our recommendations and according to the purpose for which it was produced. The security sheet according to the European legislation in force can be obtained on request.

PRODUCT DESCRIPTION



LUBRICANTS
C O M P A N Y

Rev. 2023

Vipoil KS 19

Industrial Compressor Oil

PRODUCT DESCRIPTION

Vipoil KS 19 is a compressor oil designed for lubrication of medium and high-pressure piston compressors.

APPLICATIONS

The formulation ensures efficient operation of the piston and rotary compressors of moderate duties at discharge temperature under 160 degrees Celsius.

SPECIFICATIONS

ISO VG 220

BENEFITS

- Excellent antioxidant and anticorrosive properties
- Excellent anti-foaming and demulsifying properties

TYPICAL PROPERTIES

Characteristics	Test Method	Value
Physical appearance	visual	Clear
Density at 15°C, g/cm ³ , max.	ASTM D4052	0.890
Kinematic Viscosity at +40°C, mm ² /s ⁻¹ .	ASTM D445	220.0
Kinematic Viscosity at +100°C, mm ² /s ⁻¹ .	ASTM D445	18.5
Viscosity Index, min.	ASTM D2270	93
Flash Point °C, min.	ASTM D92	245
Pour Point °C, min.	ASTM D97	-15

* These values are informative. Variations of these characteristics may occur.

This lubricant does not present a particular danger if it is used according to our recommendations and according to the purpose for which it was produced. The security sheet according to the European legislation in force can be obtained on request.

Vipoil HidROil Hidro R

Ulei hidraulic

DESCRIERE

Vipoil HidROil Hidro R este un ulei hidraulic cu un nivel ridicat nivel de performanță. Este produs din petrol foarte rafinat uleiuri de bază și aditivi multifuncționali cu îmbunătățiri filtrabilitate, anti-oxidant, anticoroziune, anti-uzură, deprimant, proprietăți demulsionante și anti-spumă.

APLICATII

Vipoil HidROil Hidro R este destinat utilizării în sistemele hidraulice ale echipamentelor industriale funcționează sub sarcini mecanice și termice mari, echipate cu unități servo-hidraulice, sisteme de control proporțional Uleiurile hidraulice HLP îndeplinesc cerințele DIN 51524-2. Acestea îndeplinesc cerințele de performanță ale celor mai multe sisteme hidraulice. Ele pot fi folosite în sisteme hidraulice ale echipamentelor mobile.

SPECIFICATII

ISO VG 22
DIN 51524-2 HLP
ISO 11158 HM
Denison HF-0, HF-1, HF-2;

BENEFICII

- Stabilitate foarte bună la oxidare
- Rezistența la spumare
- Demulsionare excelentă
- Proprietăți:
 - anti-uzura,
 - anticoroziune
 - antioxidanti,
 - antispumant.

PROPRIETATI

Caracteristici	Metoda test	Valori
Densitate la 15°C, g/cm ³ , max.	ASTM D4052	0.860
Viscozitate cinematica la +40°C, mm ² /s ⁻¹ .	ASTM D445	20.5
Viscozitate cinematica la +100°C, mm ² /s ⁻¹ .	ASTM D445	4.3
Indice de viscozitate, min.	ASTM D2270	117
Punct de inflamabilitate °C, min.	ASTM D92	200
Punct de curgere °C, min.	ASTM D97	-45
Demulsibilitate la +52 °C, min	DIN 51599	<30

* These values are informative. Variations of these characteristics may occur.

This lubricant does not present a particular danger if it is used according to our recommendations and according to the purpose for which it was produced. The security sheet according to the European legislation in force can be obtained on request.



Certificate of analysis

Certificate no.: **4340**
Product: **I-20**
Date of issue: 04.04.2024

Batch no.: 61
Date of manufacture: 04.04.2024

Typical Characteristics

Name	Test method	Value
Appearance	VL-TA-P-051	Clear and Bright
Density @15°C, g/cm ³	ASTM D4052	0.8769
Kinematic viscosity @40°C, mm ² /s ⁻¹	ASTM D445	33.28
Kinematic viscosity @100°C, mm ² /s ⁻¹	ASTM D445	5.49
Viscosity index	ASTM D2270	100
Flash Point °C	ASTM D92	215
Pour Point °C	ASTM D97	-12
Color	ASTM D1500	1.5
TBN mg KOH/g	ASTM D2896	0.8

Head of laboratory





Certificate of analysis

Certificate no.: **4335**
Product: **MotoROil M-8B**
Date of issue: 04.04.2024

Batch no.: 61
Date of manufacture: 04.04.2024

Typical Characteristics

Name	Test method	Value
Appearance	VL-TA-P-051	Clear and Bright
Density @15°C, g/cm ³	ASTM D4052	0.8868
Kinematic viscosity @40°C, mm ² /s ⁻¹	ASTM D445	77.26
Kinematic viscosity @100°C, mm ² /s ⁻¹	ASTM D445	9.26
Viscosity index	ASTM D2270	94
Flash Point °C	ASTM D92	225
Pour Point °C	ASTM D97	-30
Color	ASTM D1500	2.5
TBN mg KOH/g	ASTM D2896	5.5

Head of laboratory



