

ROYAL OIL CO.

SPECIALTY LUBRICANTS

ROYAL 26

Full Synthetic Gear Lubricant

Low Pour Point

Available in both a 75W/90 and an 80W/140 ROYAL 26 is a benchmark for fully synthetic gear oils.

Excellent Thermal Stability

Design to offer performance and stability in applications where low pour points and higher operating temperatures require a wide temperature range. The primary benefit here is the ability to resist viscosity change and oxidation in small reservoir, heavily worked, high heat applications.

Promotes Fuel Efficiency

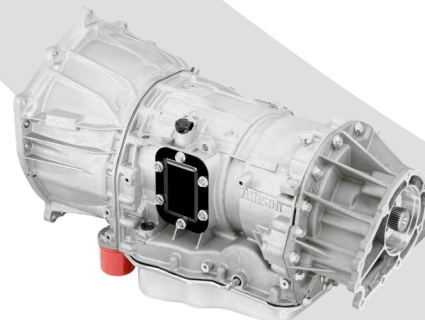
Resists Foaming

To further assist in the above type applications Royal 26 offers superior non-foaming capabilities, reducing temperatures, oxidation rates and thermal breakdown. Another benefit that allows for extended drain intervals.

Full Synthetic Base Oils

With excellent cold flow and high temperature capabilities, the ability to reduce or eliminate foaming to cool gear applications, thermal and viscosity stability that allows for a longer service life, ROYAL 26 is almost complete. Add an 85lb Timken Load for heavily loaded gear applications and you have a versatile full synthetic for a wide variety of applications.

“Innovations in equipment and components have left many customers lacking confidence during lubricant selection. Royal 26 is a full synthetic gear oil that’s meets or exceeds numerous industry specifications. In applications where full synthetic gear oils are required for warranty reasons, Royal 26 fill that need.”



ROYAL 26

Product Specifications

ROYAL 26 SYNTHETIC GEAR LUBRICANT is formulated to meet and/or exceed, MIL-L-2105E, Mack GO-H/GO-HS, Mack GO-J Plus (SAE 75W90), Rockwell 0-76, API GL-5, API MT-1, Ford M2C-105A, Clark MS-8, General Electric D50E9C, Harnischfeger (P&H) 474, Brockway, U.S. Steel 224 Demulsibility, AGMA 250-03 Demulsibility, Axle Division Dana Corporation, and Eaton/Rockwell 750,000 Extended Warranty Coverage. **ROYAL 26 SYNTHETIC GEAR LUBRICANT** also meets and exceeds the PG-2 Thermal Stability Test requirements.

75W/90 Specifications: Scania STO 1:0, Eaton Roadranger Extended Drain (E500), Arvin Meritor O-76N, International TMS-6816, SAE J2360 (MIL-E), ZF TE-ML 07A/08, ZF TE-ML 05B/12B/16F/19C/21B, ZF TE-ML 17B, MAN 342 Type M2, Dana SHAES 429, DANA SHAES 256 Rev. C, MB 235.8, Voith Turbo 3.325-340/3.325-342, Flender BA 7302 Table R1

80W/140 Specifications: Dana SHAES 256 Rev. A, Dana SHAES 429, Scania STO 1:0, Arvin Meritor O-76N, International TMS-6816, SAE J2360 (MIL-E), ZF TE-ML 05/B/12B/16F/19C/21B

SAE Grade	75W/90	80W/140	J306b
AGMA Grade	4 EP	5-6 EP	ASTM D-2422
Viscosity, cSt ASTM D-445			
100° C.	17.5	31.3	
40° C.	136.5	254.1	
Viscosity, SUS ASTM D-2161			
210° F. (99° C.)	90.1	150.6	
100° F. (38° C.)	665	1,221	
Viscosity, cP ASTM D-2983			
0° F. (-18° C.)	7,125	20,500	
-15° F. (-26° C.)	---- 9	0,000	
-40° F. (-40° C.)	150,000	----	
Viscosity Index	152	172	ASTM D-2270
Channel Point, °F.	<-60	-55	FTMS 3456
Pour Point, °F. <-50 -33 ASTM D-97			
Flash Point, °F. 405 410 ASTM D-92			
Foam Test ASTM D-892			
Sequence I	Pass	Pass	
Sequence II	Pass	Pass	
Sequence III	Pass	Pass	
API Gravity, 60/60° F.	24.3	22.3 A	STM D-287
Density, lbs./gal., 60° F.	7.16	7.25	
Copper Strip Corrosion ASTM D-130			
3 hrs. @ 212° F.	Pass	Pass	
3 hrs. @ 250° F.	Pass	Pass	
Thermal Heat Test, 300° F.	Pass	Pass	Rckw. 076E

Sharing lubricant knowledge and delivering the highest quality products, two things we promise our customers. The difference will change how you view, purchase and utilize greases and oils from here forward.

Family owned and operated since 1926.



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