



# RAVENOL Synthetic Wind Turbines SWT 320

**Kategorie:** Industrial oil

**Artikelnummer:** 1332410

**Viscosity:** 320

**Specifications:** DIN 51517-1, DIN 51517-2, DIN 51517-3, ISO 12925-1 CKC, ISO 12925-1 CKD, ISO 12925-1 CKSMP

**Oil type:** Full synthetic

**Approvals:** Eickhoff Gearboxes QSV19.0002, Flender AS 7300, Renk 36011-11, Renk Augsburg ZAN 36011, SEW gear units: IGP, XP, P-X-Series, SEW gear units: R-, K7-, F-, IG X-Series, Sumitomo/Hansen HP1, Sumitomo/Hansen HP2, Sumitomo/Hansen HPP, Sumitomo/Hansen M4ACC, Sumitomo/Hansen M5CT, Sumitomo/Hansen P4, Sumitomo/Hansen Paramax®, ZF TE-ML 27H, ZF Industriebetriebe Witten ZN-WN-145

**Recommendations:** AGMA 9005-F16 AS, Chinese GB 5903 L-CKC/ L-CKD, Danieli 0.000.001 CKC, David Brown S1.53.101 Type E, Fives Cincinnati EP Gear Oil Lubricants, GE D50E35, GM LS 2 EP, Indian Standard IS 8406, Schaeffler Step 1 to 4, Schuler Pressen DT 55055 01.2, SMS Group SN180-3, Sumitomo Drive Technologies BUI-Tec-2009-4-001 H, US Steel 224, ZF TE-ML 04H

**RAVENOL SWT 320** is a high-quality, fully synthetic gear oil, formulated with specially selected additives. Its proven combination of active ingredients ensures excellent and stable high-pressure absorption capacity under shock loads.

**RAVENOL SWT 320** has a low pour point and therefore excellent low-temperature performance.

Thanks to its balanced formulation, **RAVENOL SWT 320** provides a stable lubricating film even at high temperatures. It thus enables a wide range of applications in many industrial sectors, as well as for gearboxes in wind turbines.

## Application instructions

**RAVENOL SWT 320** can be used in almost all industrial gearboxes under heavy loads and/or shock loads that require a fully synthetic CLP gear oil in accordance with DIN 51517 Part 3, due to its excellent properties.

**RAVENOL SWT 320** guarantees reliable lubrication of gearboxes at temperatures up to 150 °C, while also protecting non-ferrous metal parts from corrosion.

## Characteristics

- Excellent, stable high-pressure absorption capacity under shock loads
- Resistant characteristics at high temperatures
- A good rust and corrosion inhibition
- Excellent wear protection
- Very good anti-foaming characteristics
- A low pour point
- Very good cold behaviour



**20L | 1332410-020**

**20L | 1332410-B20**

**60L | 1332410-060**

**208L | 1332410-208**

**700L | 1332410-700**

## Technical Product Data

CHARACTERISTICS	PROPERTY	DATA	AUDIT
Colour		gelblich	VISUELL
Viscosity at 100 °C	mm <sup>2</sup> /s	39	DIN 51659-2
Viscosity at 40 °C	mm <sup>2</sup> /s	326,6	DIN 51659-2
Viscosity Index VI		171	DIN ISO 2909
Copper Strip Test at 121 °C		1b	ASTM D130
Density at 20 °C	kg/m <sup>3</sup>	842,0	EN ISO 12185
Flashpoint	°C	232	DIN EN ISO 2592
Pourpoint	°C	-48	DIN ISO 3016