



# SANDVIK HEAVY-DUTY SHANK LUBRICATION OIL SANDVIK OS32-OS320

## TECHNICAL SPECIFICATION

### DESCRIPTION

Sandvik OS series is a heavy-duty TH shank lubrication and DTH hammer oil of very high quality. The product is made of solvent-refined paraffin base oil and special additives, which counteract wear and corrosion and produce good adhesion.

### APPLICATION

Sandvik OS series can be used for all types of percussive TH and DTH machines. It can be used both within industrial applications as well as the construction sector, and within mining and quarrying. The oil has been successfully designed and tested by Sandvik for Sandvik rock drills.



### KEY FEATURES

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Sandvik OS series is made of solvent-refined paraffin base oil and special additives, which counteract wear and corrosion and produce good adhesion

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For working environment reasons, the oil has been formulated to produce the least possible oil mist

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The product's high viscosity index ensures good lubrication at both high and low temperatures

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The properties of Sandvik OS series reduce wear and maintenance costs, as well as contributing to a longer component lifetime

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It provides excellent wear protection

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## HANDLING AND STORAGE

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Avoid skin contact. In the event of contact with skin, wash with soap and water

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Dispose of used oil at a recycling station or equivalent

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Safety information sheets are supplied on request

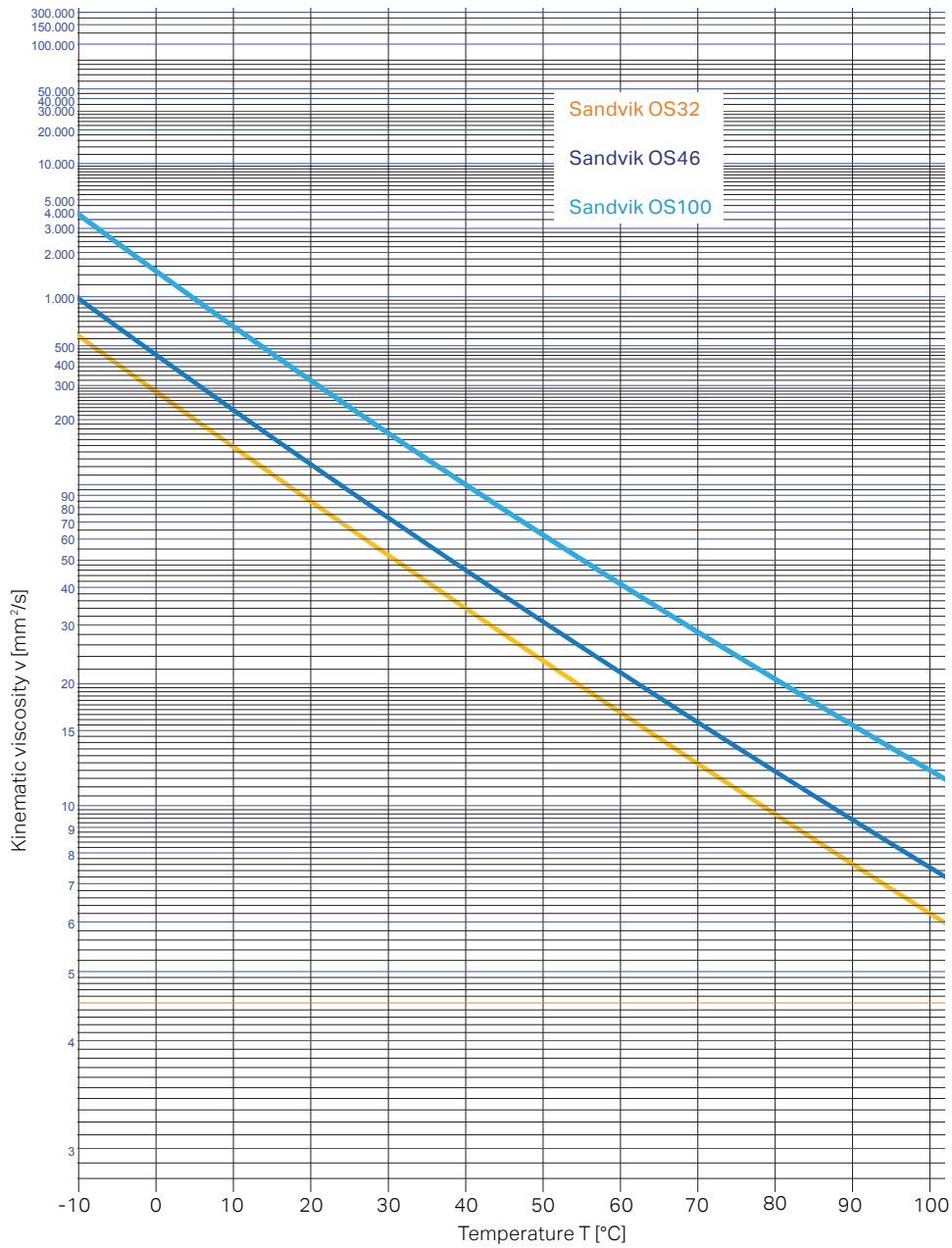
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## TYPICAL CHARACTERISTICS

Product name		OS32	OS46	OS100	
Properties	unit				method
Density at 15 °C	kg/m <sup>3</sup>	872	875	883	ISO 12185
Flash Point, CoC	°C	204	208	232	ISO 2592
Pour Point	°C	-33	-30	-21	ISO 3016
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	34	46	100	ISO 3104
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	6.2	7.5	12	ISO 3104
Viscosity Index	-	130	127	111	ISO 2909

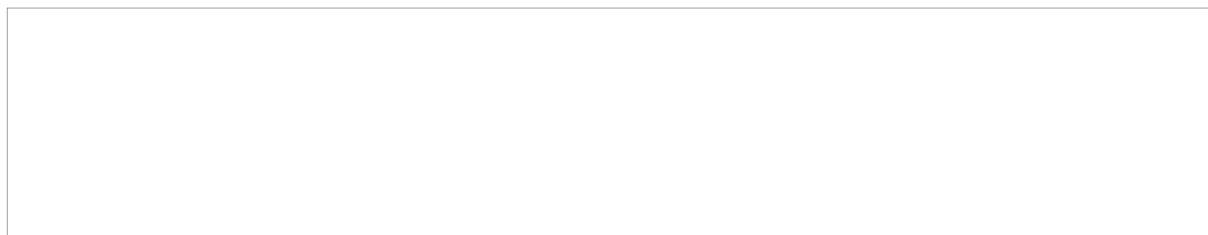
Product name		OS68	OS150	OS220	OS320	
Properties	unit					method
Density at 15 °C	kg/m <sup>3</sup>	879	890	894	898	ASTM D 4052
Flash Point, CoC	°C	210	244	234	254	ASTM D 92
Pour Point	°C	-27	-9	-9	-9	ASTM D 7346
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	70	151	222	321	ASTM D 7042
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	9.6	15.3	19.8	25.1	ASTM D 7042
Viscosity Index	-	117	103	102	101	ASTM D 2270

VT-Diagramm,  $v = f(T)$



The diagram makes it easy for the user to find the correct viscosity grade for your working temperature.

As example: A rock drill tool has a minimum required viscosity of 20 mm<sup>2</sup>/s. With Sandvik OS32, you can go up to temperatures of 55 °C, with Sandvik OS100, maximum temperature is 80 °C.



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