



Sasol Steam Cylinder C Oil 460

GEAR & STEAM CYLINDER OIL, COMPOUNDED, GRADE 460

(SAE 140)

Description

Sasol Steam Cylinder C Oil 460 is a compounded blend of mineral oil and animal fat with good adhesion to metals and with excellent lubricating qualities under wet conditions.

Application

It is intended for the lubrication of:

Valves and cylinders of reciprocating piston steam engines operating under saturated steam conditions and at pressures which do **NOT** exceed 1,2 MPa.

Cylinders of piston compressors under wet conditions.

Industrial steel on bronze worm gearboxes.

Automotive worm gear axles operating under API GL-2 service conditions.

Features and Benefits

Non-compounded straight mineral steam cylinder oils complying with CKS 90 (such as Sasol Elara 460) are preferred for superheated high temperature and high-pressure steam engines or where good separation from condensate is required.

Product Specifications

AGMA 250.04 (7 Comp)

API GL-2

SABS CKS 89



Typical Characteristics

Property	Units	Typical	ASTM	IP
Viscosity			D445	71
@ 100°C	mm ² /s	33		
@ 40°C	mm ² /s	460		
Viscosity Index		105	D2270	226
Pour Point	°C	-6	D97	15
Flash Point (COC)	°C	300	D92	36
Cu Corrosion		1	D130	154
Inorganic Acidity	mg KOH/g	0		182
Precipitation Number		0	D91	
Carbon Residue	% m/m	0,5	D524	14
Fatty Oil Content (saponifiables)	% m/m	5		284
Demulsification Number	s	1200		19
Ash Content	% m/m	0,004	D482	4
Density @ 20°C	kg/m ³	902	D4052	365
Compatibility		Pass	2.2 of CKS 89	
Storage Stability	Years	>1	2.3 of CKS 89	
Sulphur Content	% m/m	1,2	D2622	

Storage and Handling

Use PVC, nitrile or other oil resistant gloves and protective clothing to prevent skin contact. Where eye contact is a potential hazard, goggles should be worn.

Avoid temperatures above 80°C and strong oxidizing agents.

Ambient temperatures and atmospheric pressures normally encountered within buildings or roofed-over outdoor storage areas are acceptable. Avoid entering areas where mists or vapours have built up as a result of abnormal temperatures or pressures without the proper breathing equipment and protective clothing.

Pack Information

<u>Product Code</u>	<u>Pack Size</u>
	20L
	210 L