



SHELL CIRCULATING OIL HS

Premium quality circulating oil

Product Description

Shell Circulating Oil HS 100 is a premium circulating oil formulated with highly refined base stocks blended with a carefully balanced ashless additive package that provides excellent rust, oxidation and wear protection without the use of conventional zinc additives. This oil is inhibited to provide good foam resistance and provide excellent water separating properties, which is ideal for circulating systems subject to severe water contamination.

Applications

- Morgan Construction and Danieli No-Twist[®] mill systems
- gear applications that require anti-wear performance without the use of zinc
- circulating systems serving high speed roller and plain bearings in no-twist finishing mills in both ferrous and non-ferrous applications
- general lubrication of reduction gears and bearings

Features/Benefits

- long bearing life
- gear protection from scuffing
- excellent oxidation and thermal stability for long service life
- extended protection against rust and corrosion
- excellent water separation properties
- resistance to foam

Typical Properties of Shell Circulating Oils HS

	Test Method	ISO Viscosity Grade
		100
Product Code		65539
Viscosity: @ 40°C, cSt @ 100°C, cSt @ 100°F, SUS @ 210°F, SUS	D 445 D 445 Calculated Calculated	100 11.4 464 64.2
Viscosity Index	D 2270	98
Gravity, °API	D 1298	30.2
Color	D 1500	2.0
Flash Point, COC, °F	D 92	450
Pour Point, °F	D 5950	5
Acid Number, mg KOH/g	D 974	0.05
Cu Corrosion, 3 hrs @ 212°F	D 130	1a
Rust Test, Synthetic Sea Water	D 665B	Pass
RBOT, minutes	D 2272	600
Emulsion Test, minutes	D 1401	15
Wheeling Steel Demulsibility Free Water, ml	D 2711	40
Foam Test, Sequence II ml foam at 0/10 minutes	D 892	40/0
Four-Ball Wear, min 1 hr, 54°C, 1800 rpm, 20 kg	D 4172	0.27
Four-Ball EP Load Wear Index, kgf Weld Point, kgf	D 2783	28.5 200
FZG, Pass Stage	D 5182	13

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>