



Clarity[®] Machine Oils

Premium Quality Machine Oil

Product Data Sheet

Customer benefits

High temperature stability

Contains an effective oxidation inhibitor to protect the oil at elevated ambient operating temperatures.

Long lubricant life

A well-balanced additive package and high quality base oils help minimize breakdown and maximize oil life.

Protection against wear

Extreme pressure and ashless antiwear additives provide good FZG and Timken performance.

Excellent water separability

Permits rapid separation of water in circulating oil system reservoirs, reducing the chance of premature filter plugging and increased metal-to-metal contact.

Pall wet filterability

Provides good wet aged filtration with low micron filters.

Environmental sensitivity

Ashless formulation facilitates reclaiming and recycling efforts. Nontoxic to aquatic species as determined by LC-50 testing of this or similar formulations.

Applications

The Clarity[®] Machine Oil series is recommended for use in circulating systems of industrial equipment as well as gear boxes, including wet-end systems, dryer bearings, and calender stacks in paper machine systems.

Clarity Machine Oils have been used successfully in the lubrication of many types of paper machine equipment, including Valmet and Beloit paper machine equipment.

In addition, Clarity Machine Oils provide good filtration performance in the Pall Filterability Test using low micron filters.

Product features:

- **Clarity Machine Oils** are premium quality machine oils designed to meet the critical demands of circulating systems in industrial equipment.
- **Clarity Machine Oils** are formulated with an ashless extreme pressure additive package that includes rust, oxidation, and foam inhibitors to provide long lubricant life and minimize deposit formation. The ashless formulation facilitates reclaiming and recycling of circulating oils.
- **Clarity Machine Oils** have excellent water separating ability and good wet filterability with fine porosity oil filters, as demonstrated by the Pall Filterability Test.

Performance specifications

CLARITY [®] MACHINE OIL KEY PROPERTIES				
ISO Grade	100	150	220	320
Product Code	540593	540594	540595	540596
Flash Point, °C	240	246	249	248
Pour Point, °C	-15	-15	-15	-12
Viscosity,				
mm ² /s @ 40°C	95.0	143	209	304
mm ² /s @ 100°C	11.0	14.6	18.4	23.5
Viscosity Index	101	101	97	98
Timken OK Load, lb	60	60	60	60
FZG Failure Load Stage, DIN 51354	>12	>12	>12	>12
Oxidation Stability,				
Hrs to 2.0mg KOH/g acid Number ASTM D943	>4,500	4,500	4,000	3,000
Minutes to 25psi pressure drop ASTM D2272	357	367	375	345

ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit: www.chevronlubricants.com.

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This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by:
Chevron Lubricants
- Asia Pacific