

Mobil System Cleaner

Product Description

Mobil System Cleaner is an oil-soluble, solvent-free cleaner that contains emulsifiers, dispersants and rust inhibitors. It is safe for use with all ferrous and non-ferrous metals used in industrial equipment. A 5% concentration of Mobil System Cleaner in the system oil is recommended. The product is compatible with all seals up to 20% maximum concentration in the oil. Because of the relatively high viscosity and high flash point of Mobil System Cleaner, equipment can be operated normally during the cleaning process, but not to exceed 149°C.

Features and Benefits

- Solvent-free, oil-soluble cleaner
- Highly recommended for removing varnish, carbon, sludge, and other contaminants from circulating lubrication systems, bearings, etc.
- Safe for use with all ferrous and non-ferrous metals
- Compatible with all seals up to 20% maximum concentration
- Equipment can operate normally during cleaning process

Applications

Cleanliness in circulating lubrication systems (e.g., paper machines, turbines, heat transfer systems, engine crankcases, air compressors, etc.) is essential to adequate cooling and lubricant flow rates, as well as to lubricant and bearing life.

It is advisable to clean circulating lubrication systems that have been in use for extended periods, in order to remove accumulation of varnish, carbon, sludge, or process contaminants from the oil circulating system, return lines, bearings and other elements of the lubrication system. Cleaning may also be required before installing a new change of lubricating oil, or when a new brand of lubricant is being introduced to the system.

Note: To prevent contamination of Mobil System Cleaner, it should be kept in closed containers. Drums of the product should be stored on their sides.

Mobil System Cleaner should be used in accordance with the procedures below. Before beginning the process, the user should consult with the Imperial Oil representative.

Due to continual product research and development, the information contained herein is subject to changes without notification. Additional important health and safety information on this product can be found in the Material Safety Data Sheet, which is available online at www.imperialoil.ca/mobil or by contacting Lubricants and Petroleum Specialities, Technical Services, Technical Help Desk: 1-800-268-3183

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Note concerning filters and filtration:

Extra filters will be required to handle the quantity of varnish and other deposits expected to be removed from the system. Filters should be changed immediately before adding Mobil System Cleaner to prevent the cleaner from breaking up the material already in the filters and dispersing it back into the system. The filters also should be changed before adding the flushing oil and/or before adding the final fill. In the course of the cleaning procedure, be prepared to change the filters several times per day.

- 1.) Add Mobil System Cleaner to the reservoir at a 5% concentration in the oil while the system is operating at normal speed and temperature. The system should be operated at least 24 hours with this mixture. The Imperial Oil representative can advise you on the exact length of time, which is dependent on system size and current cleanliness.
- 2.) After Mobil System Cleaner has circulated for the recommended time, drain the system immediately. Draining the oil quickly will maximize the amount of suspended insolubles removed with the oil and will reduce the need to clean the sump manually. Any auxiliary reservoirs, secondary sumps, large bearings with drain cocks, etc. should also be drained at this time.
- 3.) Manually wipe or vacuum the interior of the sump(s) to remove any insolubles that remain after the oil is drained.
- 4.) If the volume of oil and cleaner remaining in the system after draining is 10% or less of the system volume, a flush may not be necessary. If the amount is more than 10%, or if there is uncertainty about the amount, the system should be flushed.
- 5.) If a flush is indicated, fill the system with the recommended long-term lubricant up to the level where oil circulation can be achieved. Circulate the system at normal operating temperatures at least five times, then drain according to Step 2 above.
- 6.) When the flushing phase is complete, fill the system with fresh lubricant of the appropriate viscosity grade.

Typical Properties

Appearance	Clear, amber/brown liquid
Kinematic Viscosity at 40°C (cSt)	40
Flash Point,	
°C	157
°F	315
Weight, lb/gal	7.87
Specific Gravity	0.92
Odour	Mild

The values shown here are representative of current production. Some are controlled by manufacturing specification, while others are not. All may vary within modest ranges.

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Precautions

Mobil System Cleaner is manufactured from carefully selected additives and diluent baseoil. As with all of our products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. This product contains materials that are irritating, and may injure eye tissue if not removed promptly. Frequent or prolonged contact may irritate the skin. Please refer to the Material Safety Data Sheet for further information.

Note: This product is controlled under Canadian WHMIS legislation

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