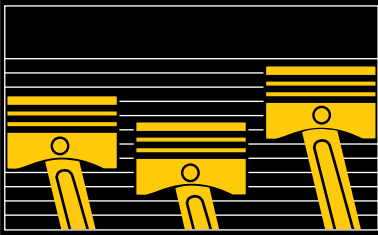


Special Application Engine Oil

SAE 30
SAE 40

For Cat® 3116 and 3126 Marine Diesel Engines with Mechanical Unit Injection*



Developed, tested, and approved by Caterpillar, Cat Special Application Engine Oil (SAEO) provides superior deposit control for Cat 3116 and 3126 Marine Diesel Engines with a closed crankcase ventilation system.

Recommended use

Application

Cat Special Application Engine Oil is the only oil approved by Caterpillar for use in the 3116 and 3126 Marine Diesel Engines with mechanical unit injection and a closed crankcase ventilation system. This system circulates blowby gases from the engine crankcase to the turbocharger inlet. These blowby gases can form harmful deposits in the turbocharger and the aftercooler. Cat Special Application Engine Oil is designed to reduce or eliminate the formation of these harmful deposits.

Note: Cat SAEO should not be used in 3406, 3126, C-10, C-12, or 3116 low emission on-highway truck engines. Use Cat DEO multi-grade oils.

Fuel compatibility

Fuel Injection Method	Fuel Sulfur
Direct Injection (DI)	0.05% to 0.65%

Information sources

We can help you determine the right oil for your Cat engines, or you can refer to your Operation and Maintenance Manual or service publications LEDM8506 (Cat 3116 and 3126 Marine Engines Oil Requirements).

Typical Characteristics**

SAE Viscosity Grade	30	40
API Classification	CF, CF-2, CF-4, SJ	CF, CF-2, CF-4, SJ
Manufacturer's Test		
Cat	1K	1K
Allison	C-4	—
Flash Point, °C (ASTM D92)	232	232
Pour Point, °C (ASTM D97)	-23	-18
Viscosity		
cSt @ 100°C (ASTM D445)	11.0	14.0
Sulfated Ash, % wt. (ASTM D874)	0.9	0.9
TBN (ASTM D2896)	6.5	6.5
Zinc, % wt. (ASTM D1549)	0.12	0.12
Phosphorus, % wt. (ASTM D1091)	0.10	0.10

** The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.



Special Application Engine Oil

For Cat 3116 and 3126 Marine Diesel Engines
with Mechanical Unit Injection*

Unique formula for maximum performance and protection

Cat SAEO is formulated to provide optimum corrosion protection and superior deposit control. It meets diesel engine requirements by:

- ¥ stopping the buildup of deposits in the turbocharger compressor and the aftercooler that can reduce power and cause an increase in smoke.
- ¥ maintaining stable oil consumption within the specified oil change interval and from one interval to the next.
- ¥ stabilizing functional chemistry throughout each service interval.
- ¥ stopping the buildup of deposits on pistons and rings that can increase oil consumption.
- ¥ helping to eliminate the formation of deposits on pistons that are abrasive enough to polish the hone pattern from the surface of the liners.
- ¥ preventing the clumping of soot particles that can cause an abnormal increase in viscosity, piston deposits, or sludge.

Special Application Engine Oil Part Numbers

Package Size	Part Numbers	
English		
SAE	30	40
1 GALLON	170-5262	170-5261

Extend engine life with quality Cat maintenance products

- Cat Fluids:** Formulated to provide higher standards in performance and life.
- Cat Fluid Filters:** System engineered for optimal performance and protection.
- S⁴O⁴SSM Fluid Analysis:** The ultimate detection and diagnostic tool.
- Maintenance Software:** Trend Analysis Module (TAM) for S⁴O⁴S results, Maintenance Control Systems (MCS) for scheduling, record keeping and preventive maintenance checklists.

* Special Application Engine Oil is for use in Cat 3116 and 3126 Marine Diesel Engines with mechanical unit injection. This includes all 3116 and 3126 Marine Diesel Engines that begin with the following serial number prefixes: 4KG, 1SK, 8NM and 6SR.

Proper use for health and safety

According to toxicology information, Cat SAEO has little or no adverse effect if handled and used properly. No special precautions are suggested beyond attending to good personal hygiene and avoiding prolonged, repeated skin contact.

For more information, refer to the Material Safety Data Sheet which is located on the internet at Caterpillar's web site: www.CAT.com. If internet access is not available, contact your Caterpillar Dealer.



For more information, see us today
or visit our web site at www.CAT.com