



Competency 2

Engine Lubrication System

Lesson Objective (s): Recognize the main components of the system and the means to optimize its performance.

Main function of the lubrication system: Reduce friction resistance of moving parts to increase engine efficiency

Associated pictograms:



Indicator lights::

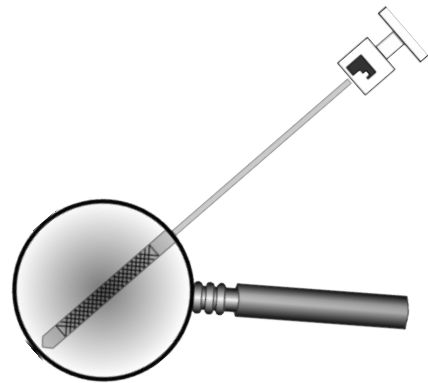


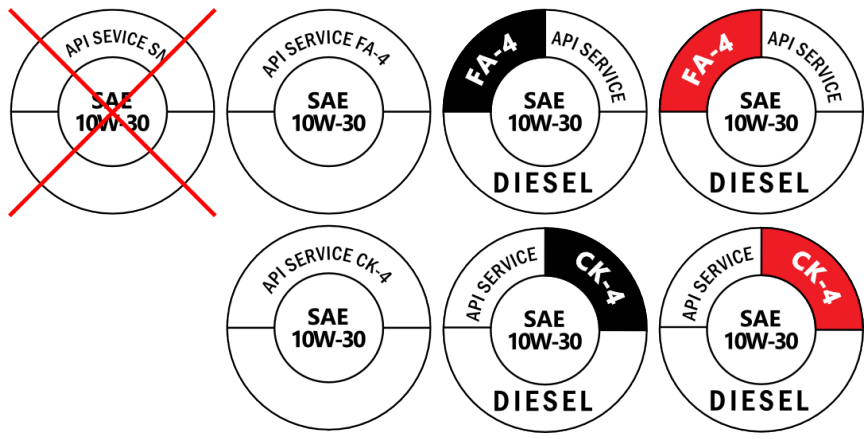
Oil level check the oil

level must be maintained above the oil level. beyond the minimum index, without ever exceeding the maximum. About five liters separate these two landmarks.

What type of oil does my CK-4 API or FA-4 API engine work with?

The CK-4 oil category will be suitable for trucks manufactured before 2016 and recent models.





On the other hand, other trucks with advanced technology engines use FA-4 oils. Be careful because this category is not compatible with all engines.

Par contre, d'autres camions qui possèdent des moteurs à technologies avancées (2017 et plus) sont compatibles avec les huiles CK4, mais auront un meilleur rendement avec les huiles FA-4. Attention, car cette catégorie n'est pas compatible avec tous les moteurs.

So how do I find myself?

- 1- Look for the identification numbers of the type of oil required on the engine (filler cap, label or other).
- 2- Refer to the engine user's manual.
- 3- Ask the mechanic.

NB. When starting in cold weather, the oil pressure can increase significantly momentarily.



Oil temperature should be maintained between 200 °F and 260 °F

References:

<https://lubricants.petro-canada.com/fr-ca/knowledge-centre/article/article-pc11-story>

<http://www.total-canada.ca/fr/poids-lourds/transports/pc11-CK-4-huiles-rubia-optima/proprietes-huiles-rubia-optima-ck-4-fa-4.html>

<http://blogue.caronlubrifiants.ca/huile-moteur-diesel-pc-11-ck-4-fa-4/>

