

QUALITY DRIVES.



QUALITY WORKS.

LANXESS
Energizing Chemistry

Additin® RC 3502 – Organic Friction Modifier

LANXESS' new organic friction modifier additive **Additin® RC 3502** delivers significantly enhanced friction reduction performance, retention and antiwear protection when needed the most.

Our new liquid additive gives lubricant formulators the option to increase fuel economy benefits and reduce the levels of metallic friction modifiers, without compromising fuel efficiency performance.

Freedom to formulate



Solubility in
SAE 5W-30
engine oil



OFM1 > 0.5% shows
globule residue at bot-
tom of sample vial after
8 hrs mixing both room
temp and -20°C



OFM2 1.0% shows
insolubility when stored
at -20°C for 24 hrs

Additin® RC 3502 is a clear, light amber liquid additive. It demonstrates excellent solubility at room and low temperatures (-20°C) in a full range of mineral and synthetic PAO based motor oils: Groups I - V, PCMO and HDDEO.

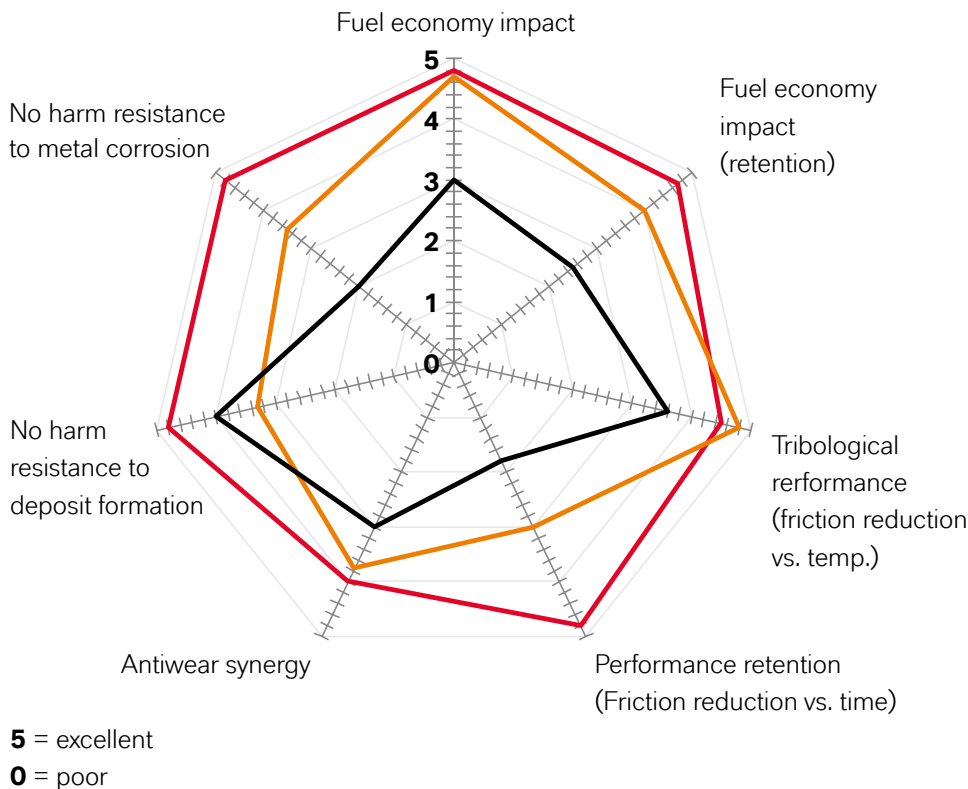
- Flexible treat rate > 2% additions allow thermally stable formulations due to excellent solubility (some commercial OFMs exhibit solubility issues < 1%)
- Excellent compatibility with other lubricant additives, including magnesium sulfonate detergents
- Zero sulfated ash, phosphorus and sulfur
- **Additin® RC 3502** can be stored up to five years when stored under normal conditions in a cool dry place away from any direct sources of heat and moisture

X Additin®

Additin® RC 3502 – Organic Friction Modifier

Enhanced friction reduction and durability with zero sulfur, phosphorous or metals

Key attributes of Additin® RC 3502 high performance friction modifier



- Demonstrates up to **5% fuel economy improvement*** and **retention** in Sequence VI E test (ASTM D8114-17)
- Strong **performance durability** compared to GMO and MoDTC FMs
- Provides a synergistic **boost** in **antiwear** performance with ZDDP
- Excellent **resistance to deposit formation** at high temperatures (TEOST 33C test)
- Excellent **low Cu, Sn, and Pb corrosion resistance** (ASTM D6594)

— Additin® RC 3502
— MoDTC FM
— GMO

*fuel economy benefit calculated from sequence VIE engine test FEI sum over SAE 20W-30 baseline

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Unless specified to the contrary, the values given have been established on standardized test specimens. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that the results refer exclusively to the specimens tested. Under certain conditions, the test results established can be affected to a considerable extent by the processing conditions and manufacturing process.

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