

SURE-CRAFT™

FINNING

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Fluid Analysis

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HEAVY DUTY LUBRICANTS

Economical, dependable lubrication

LOW-TEMP TRANSMISSION OIL

PRODUCT LINE

SURE-CRAFT™ Lowtemp Transmission Oil is specifically designed for modern Caterpillar transmissions. It provides excellent compatibility with transmission components and premium frictional characteristics to maximize equipment performance. It utilizes the same performance additive package used in **SURE-CRAFT™ Transmission Oil** single grades, all of which are fully approved for Caterpillar TO-4 transmission fluid specifications.

APPLICATIONS

Lowtemp Transmission Oil is specifically designed for Caterpillar transmissions that requires TO-4 fluids but also require low temperature flow.

It is also recommended for torque convertors, hoist brakes and hydraulic systems lubricated from a common sump which are typically found in 777B, 785 and 789 series off-highway trucks.

Lowtemp Transmission Oil meets Allison C-3/C-4 fluids requirements as well as Caterpillar T0-2 specifications for powershift transmissions.

Caterpillars TO-4 transmission fluid specifications do not allow for the use of multigrade oil so **SURE-CRAFT™ Lowtemp** is not approved for Caterpillar TO-4 however, it does utilize the same additive performance package as TO-4 approved fluids.

PERFORMANCE BENEFITS

Improved Transmission Life - A Key factor limiting transmission life in modern equipment is compatibility of new friction materials such as F-37 and Rayflex with engine oils. Active nitrogen containing components commonly found in many engine oils, can cause these friction materials to become brittle and break up resulting in reduced transmission life.

Lowtemp Transmission Oil is formulated without aggressive nitrogen containing components to ensure maximum life of clutch friction materials.

In addition **Lowtemp Transmission Oil** is formulated to provide superior anti-wear protection, anti-foaming characteristics and **oxidation stability** resulting in longer equipment life.

TYPICAL PROPERTIES

Viscosity cSt @ 40C cSt @ 100C	35.5 7.6
Viscosity Index	190
Brookfield Viscosity cP @ -40C	7881
HTHS @ 150C & 10(6)s-1, cP	2.32
Pour Points C	-57
Zinc Content % mass	0.12
Calcium Content % mass	0.31
MRV @ -40C	6468