



ALUDRAW

Introduction

Shaping oils are used in processes such as drawing, forming, stamping, extrusion, forging, and rolling. The primary purposes of these lubricants are to provide good die life, materials finish and dimensional accuracy.

Aludraw

Petro-Canada's Aludraw 850 Wire Drawing Oil was developed specifically for drawing aluminium wire. This drawing oil is most effective when it contains 1-2% of aluminium fines, which produce a synergistic effect with Aludraw 850, thus improving the drawing characteristics.

The life of this oil is extremely good (2-3 yrs.), with normal topping up as required. Yearly check of the oil will determine at which time it should be replaced.

A rule of thumb to be used for changing oil is:

1. Viscosity @ 100°C has increased from 24 cSt to 60 cSt
2. Solids have increased to 10%
3. Ash has increased to 20%

The aluminium fines are removed from the sump and approximately 50% of the oil is replaced with new Petro-Canada Aludraw 850.

Features and Benefits

- **Improved drawing characteristics**
 - Aludraw was specifically developed for drawing aluminium wire. It is most effective when it contains 1-2% of aluminium fines.
- **Reduces operating costs due to less top ups**
 - The life of the oil is good (2-3 yrs), hence fewer top ups are required. As well only approximately 50% of the oil will need to be replaced once aluminium fines are removed at the top up cycle.

What is the HT difference?

Petro-Canada starts with the patented HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



Typical Performance Data

PROPERTY	TEST METHOD	ALUDRAW
Density, kg/L at 15 °C / °F	ASTM D4052	0.883
Gravity, API	ASTM D4052	28.7
Colour	ASTM D1500	1.0
Viscosity, cSt at 40°C	ASTM D445	270
cSt at 100°C	ASTM D445	24
SUS at 100°F	ASTM D2161	1421
SUS at 210°F	ASTM D2161	119
Viscosity Index	ASTM D2270	112
Pour point, °C/°F	ASTM D97	-6/+21
Total acid number mg KOH/g	ASTM D664	0.4
Saponification number	ASTM D94	20.8
Falex seizure load, N	ASTM D3233	9670
Rotary bomb oxidation, mins	ASTM D2272	105

The values quoted above are typical of normal production. They do not constitute a specification.

Health and Safety

When used as directed, Petro-Canada Aludraw has no adverse effects on health. Beyond normal hygiene, no special precautions are required. To obtain Material Health and Safety Data Sheets, contact one of Petro-Canada's TechData Info Lines.

TechData Info Lines

If you would like to know more about Petro-Canada Aludraw, or any other product in our complete line of quality lubricants, please contact us at:

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