



PRODUCT INFORMATION SHEET

WYNN'S DU-ALL ANTIFREEZE ADJUSTER

Product Number: 51905 205 litre 51920 20 litre

WYNN'S DU-ALL ANTIFREEZE ADJUSTER is a concentrated ethylene glycol raw material which is formulated to contain no additives or corrosion inhibitors.

Wynn's Du-All Antifreeze Adjuster is designed to be used in conjunction with the Wynn's Du-All Power Drain and Fill/Engine Coolant Recycling Machine (Part No. 07000A) and the Wynn's Bulk Recycling Kit (Product No. 10131)

Introduction

The Wynn's Engine Coolant Recycling Program overcomes the problem of the disposal of used engine coolant which is a hazardous waste, and has become an increasingly difficult and expensive problem for workshops and repair facilities.

The Wynn's Engine Coolant Recycling Program adopts new technology that helps prevent the disposal of hazardous waste into our environment, as well as an economical, safe and simple way to eliminate coolant disposal liability and responsibility.

Used engine coolant contains solid particulate impurities, scale deposits, dissolved metals, sludge, rust and depleted corrosion inhibitor salts. The patented Wynn's Chemical and Filtering process removes these contaminants, to produce recycled coolant which exceeds ASTM and AS/NZS performance standards for new engine coolant. The recycled coolant is re-inhibited from a choice of various corrosion inhibitors to suit particular OEM requirements and markets.

Advantages

The combined Wynn's Du-All Power Drain and Fill/Engine Coolant Recycling Machine (Part No 07000A) performs an engine coolant cooling system power drain and fill in less than 15 minutes by displacing used coolant in the vehicle with fresh coolant, and also recycles 170 litres of used coolant in less than one hour.

The Wynn's Engine Coolant Recycling Programme removes the need, cost and liability of waste coolant disposal and removes the need to purchase new coolant.

Benefits

The Wynn's Du-All Engine Coolant Recycling Programme provides the following benefits:

- Removes contaminants and dissolved metals out of used coolant by using the patented Wynn's chemical precipitation and filtration process
- Bulk recycles up to 170 litres quantities of used coolant in less than one hour
- Removes the need to purchase new coolant
- Removes the need and liability of having waste coolant removed from premises
- Saves disposal costs of used coolant

Applications

Coolant collected during the Wynn's Du-All Power Drain and Fill process is poured into the used coolant plastic drum provided with the Wynn's Du-All Power Drain and Fill/Engine Coolant Recycling Machine (Part No 07000A), for recycling at the customers convenience.

The coolant collected should be tested for appearance and ethylene glycol content, before recycling. It is not economical to recycle low ethylene glycol content coolant, and very dirty/rusty coolant will only block up the filters more readily.

Contaminants in the used coolant are chemically precipitated with the supplied Du-All chemicals in the Wynn's Bulk Recycling Kit (Product No. 10131). The Du-All chemicals are Wynn's Netamox Blue (Product No. 66704) and Wynn's Protazyne Yellow (Product No. 66509).

These precipitated contaminants are then filtered out and pumped into the recycled coolant drum. The filtered and chemically cleaned coolant is now treated with Wynn's Du-All Inhibitor (Product No. 64701) included in the Wynn's Bulk Recycling Kit (Product No. 10131)

The quality of the recycled coolant is checked for pH and ethylene glycol content.

If the ethylene glycol content is lower than what is required, Wynn's Antifreeze Adjuster is used to raise the ethylene glycol content.

With vehicles requiring different levels of ethylene glycol, it is sometimes worthwhile to collect two types of Antifreeze – 50% (48% Ethylene Glycol) and 33% (32% Ethylene Glycol).

A:

170 LITRES COLLECTED COOLANT
48 % ETHYLENE GLYCOL REQUIRED
MAXIMUM 200 LITRES RECYCLED COOLANT

<u>REFRACTOMETER</u> <u>FREEZING POINT (°C)</u>	<u>REFRACTOMETER</u> <u>ETHYLENE GLYCOL%</u>	<u>ANTIFREEZE ADJUSTER</u> <u>REQUIRED (LITRES)</u>
-37	47	3
-35	46	7
-33	45	10
-32	44	13
-31	43	16
-29	42	20
-28	41	23
-27	40	26
-26	39	29

B:

170 LITRES COLLECTED COOLANT
32% ETHYLENE GYLCOL REQUIRED
MAXIMUM 200 LITRES RECYCLED COOLANT

<u>REFRACTOMETER</u> <u>FREEZING POINT (°C)</u>	<u>REFRACTOMETER</u> <u>ETHYLENE GLYCOL%</u>	<u>ANTIFREEZE ADJUSTER</u> <u>REQUIRED (LITRES)</u>
-18	31	3
-17	30	5
-16	29	8
-15	28	10
-15	27	13
-14	26	15
-13	25	18
-12	24	20
-11	23	23
-11	22	25
-10	21	28
-9	20	30

Typical characteristics

Appearance	Clear Syrupy Liquid
Colour (Visual)	Water White
Colour (ASTM D 1500)	0.0
Density @ 15°C	1.110 (ASTM D 4052)
Flash Point (°C) COC	111 (ASTM D 92)
Boiling Point (°C)	198
Freeze Point (°C)	-17