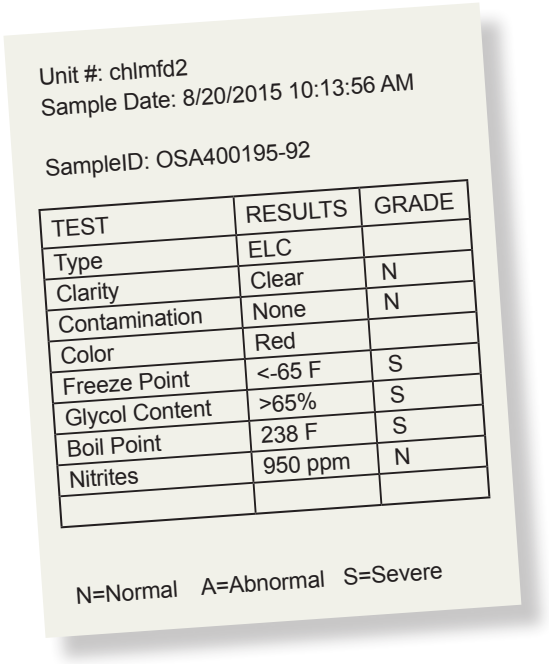
Understanding Your CoolCheck® Report



Unit #: chlmfd2
Sample Date: 8/20/2015 10:13:56 AM

SampleID: OSA400195-92

TEST	RESULTS	GRADE
Type	ELC	
Clarity	Clear	N
Contamination	None	N
Color	Red	
Freeze Point	<-65 F	S
Glycol Content	>65%	S
Boil Point	238 F	S
Nitrites	950 ppm	N

N=Normal A=Abnormal S=Severe

Unit ID – Identifier for vehicle that is entered during sample data entry

Sample Date – Date and time that the sample was processed

Sample ID – Serial number followed by sample number

Type – Designates Conventional ELC or Fully Formulated (Unknown can indicate a mixture)

Clarity – Designates the Visual appearance of sample (Clear, Hazy, Cloudy, Opaque)

Contamination – Designates any outside contamination (Trace, Moderate, Heavy)

Color – Signifies the color of the coolant. Can indicate a mixture or excessive contaminates.

Freeze Point – Lowest temperature before antifreeze will freeze

Glycol Content – Percentage of Water and Glycol mixture in the coolant (50/50 is ideal)

Boil Point – Highest temperature before coolant begins to overheat

Nitrites – Indication of nitrite based SCA (Supplemental Coolant Additive) left in the coolant. Normal trip levels are less than 300 ppm which indicates additives are depleted. Too much nitrite can also be a problem (monitor based on manufacturers recommendation).

Key that shows what is indicated in the GRADE column

ITEM EVALUATED	READING	GRADE	SERVICE BASED ON COOLCHECK REPORT
CLARITY	Clear – Slightly Hazy	Normal	No Service
	Hazy	Abnormal	Drain & Fill
	Cloudy – Opaque	Severe	Flush & Fill
CONTAMINATION	None – Trace	Normal	No Service
	Moderate	Abnormal	Drain & Fill
	Heavy	Severe	Flush & Fill
COLOR (To assist in selection of coolant if added)			
GLYCOL CONTENT	35-60%	Normal	No Service
	10-35% or 60-65%	Abnormal	Add Coolant/Water
	<10% or >65%	Severe	Drain & Fill
FREEZE POINT		Normal	No Service
		Abnormal	Add Coolant/Water
	<-65°F	Severe	Drain & Fill
BOIL POINT		Normal	No Service
		Abnormal	Add Coolant/Water
	>240°F	Severe	Drain & Fill
NITRITES (Nitrite-based coolant only)	300-3000 ppm	Normal	No Service
	<300 or >3000 ppm	Abnormal	Add Supplemental Coolant Additives (SCA)

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