

Customer Information

DUS RV SERVICES LLC
 43316 Waymark PL
 Babcock Ranch
 FLORIDA, 33982
 Attention : Dave Kuiper
 Phone : (616) 836-8500

Equipment Information

Unit # : 2017 Newmar Dutch Star 4369
 Component : TRANS./HYD.
 Location : #1 REAR
 Unit Mfr/Model : CUMMINS / 2017 Newmar
 Unit Serial # :
 Comp Mfr/Model : ALLISON
 Comp Serial # :

Lubricant

Manufacturer :
 Brand :
 Grade :
 Sample # : 2024/06/26-158
 Lab Tracking # : 1 - 4468978

FLUID LIFE
 EQUIPMENT RELIABILITY SERVICES

Oil Analysis
 Suite 210, 9555 James Ave. S., Bloomington
 Minnesota 55431, USA
 Phone: 877 962 2400

Sample Number	Sample Date	Wear Metals ppm										Additives ppm											
		Aluminum	Iron	Copper	Lead	Tin	Chromium	Nickel	Titanium	Silver	Vanadium	Antimony	Beryllium	Manganese	Cadmium	Calcium	Zinc	Phosphorus	Magnesium	Molybdenum	Boron	Barium	Lithium
06/26-158	2024/06/22	11	89	7	8	0	0	1	0	0	0	0	0	0	0	31	19	290	1	0	103	0	0

Sample Information

Sample Date	Oil Mfr.	Oil Brand	Oil Grade	Component Service	Oil Service	Units	Oil Ctg
2024/06/22							

Contaminants ppm

Sodium	Potassium	Silicon
6	1	6

Physical Tests

Visc 40°C cSt	Visc 100°C cSt	Visc Index	Water
	6.92		N

Results

2024/06/22 Assuming normal oil service life, tested wear and contamination are within acceptable limits.
 Oil sample information is incomplete, which may lead to less beneficial recommendations.

Recommendations

2024/06/22 Consider submitting a sample of the new oil to update the new oil additive baseline. Include the oil manufacturer, brand, and grade with the sample.
 Resample next interval to monitor.

Key: Y - Yes N - Negative P - Positive R - Reportable U - Unacceptable S - Severe I - Insufficient Sample - Data could not be provided NT - Not Triggered ~ - Updated ~ - Lab Estimated

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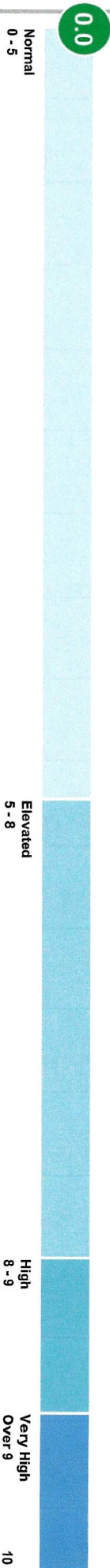
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Your Sample Rank



Sample rank ranges from zero to ten. The higher the sample rank, the more abnormal the sample results are.

Top Trends Analysis

Fe Test Rank 0.8
Fe

No distribution analysis available.

Pb Test Rank 0.8
Pb

No distribution analysis available.

Al Test Rank 0.8
Al

No distribution analysis available.

Cu Test Rank 0.7
Cu

No distribution analysis available.

No trend analysis available.

No trend analysis available.

No trend analysis available.

No trend analysis available.

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Fax :

Equipment Information

Unit # : 1
Component : COOLANT, MAIN ENGINE
Location : #1 REAR
Unit Mfr/Model : OTHER 2015 Nemar LondonAire
Unit Serial # :
Comp Mfr/Model :
Comp Serial # :
Site Location :

Coolant

Manufacturer :
Brand :
Grade :
Sample # : 2024/10/07-251
Lab Tracking # : 1 - 4575045

Coolant Analysis

145, 3710 W Royal Lane, Irving
Texas 75063, USA
Phone: 877 962 2400
Web: www.fluidlife.com



Sample Information

Sample Date	Sample No.	Coolant Changed	Comp. Service	Oil Service	Units	Refractive Index	% Glycol	Freeze Point (°C)	Boiling Point (°C)	ph	Conductivity (µS/cm)
2024/10/01	2024/10/07-251	N	-27226		MI	1.3859	50.4	-37	106	7.88	2877

Physical Tests

Appearance Tests

Sample Date	Color	Odor	Clarity	Precipitate	Magnetic Precipitate	Nitrites ppm
2024/10/01	Pink	GD	CLR	TRACE	N	

Additives

Results

2024/10/01 Trace levels of precipitates were observed in this sample.

Recommendations

2024/10/01 Resample next interval to monitor.

Key: Y - Yes N - Negative P - Positive R - Reportable S - Severe I - Insufficient Sample > - More Than < - Less Than ~ - Lab Estimated ↕ - Updated

Results relate only to the samples tested; all testing is done at the above address unless stated. This is presented in abbreviated format. Additional information is available upon request. The Fluid Life Corporation shall not be liable for any loss of profits, business, damages, or fitness of purpose, related to this oil analysis report and recommendations.

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Manufacturer :
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Grade :
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Glossary

There are three different types of coolant on the market today. The traditional coolant uses Inorganic acid technology. Organic acid technology (OAT) coolants have a longer life and use organic acids as inhibitors. The third type is a hybrid and uses both organic and inorganic acid inhibitors. As a rule of thumb, the different types should not be mixed as the additives may react and the coolant lose its properties.

Freeze Point - This indicates the temperature at which the coolant mixture will freeze.

Boiling Point - This is the temperature where the coolant will start boiling. Boiling will dramatically reduce the heat transfer properties of the coolant.

pH - This is an indication of the acidity/alkalinity of the coolant. The pH ranges depend on the type of coolant used.

Conductivity - This is measured in microsiemens per centimeter and as the value increases, there is a greater chance that current can be transmitted through the coolant. This can destroy the effectiveness of the inhibitors. In extreme cases, this will accelerate corrosion and/or pitting.

Nitrites - These are inhibitors that are sometimes used to prevent iron corrosion and cavitation.

Reserve Alkalinity - This is a measure of how much buffer is still available in the coolant. Note that the pH of a coolant will not change much until the buffer package is depleted. This is an optional additional test. If you would like to perform this test please contact your Account Manager or Customer Care at customer-care@fluidlife.com

Appearance Test - A coolant should be clear with no distinctive odor or precipitate.

For further information, please see the Coolant Interpretation guide available from Fluid Life.

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Abbreviations

Odor

NH4 - Ammonia

BUR - Burnt odor

FUN - Fungal odor

FUE - Diesel fuel

SOL - Solvent

GD - Good, acceptable

Clarity

CLR - Clear

CLD - Cloudy

HAZ - Hazy

Precipitate

FLU - Fluffy

CHU - Chunks

N - Negative

DIR - Dirt

FLA - Flakes

SLU - Sludge

TRACE Trace