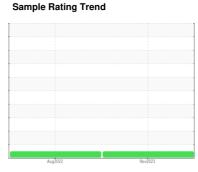


# **OIL ANALYSIS REPORT**

# 5**C07 UTILITY TRAILER RTR5565 - R**

Diesel Engine

**DIESEL ENGINE OIL SAE 40 (--- GAL)** 





### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

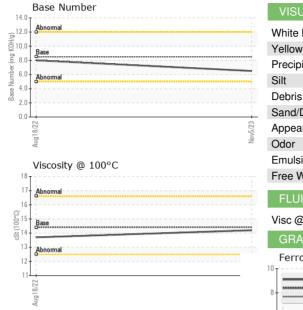
### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

			Aug2022	Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ARI05998584	ARI05621488	
Sample Date		Client Info		05 Nov 2023	18 Aug 2022	
Machine Age	hrs	Client Info		16779	14099	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	6	6	
Chromium	ppm	ASTM D5185m	>20	<1	0	
Nickel	ppm	ASTM D5185m	>4	0	0	
Titanium	ppm	ASTM D5185m		0	2	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	2	2	
Lead	ppm	ASTM D5185m	>40	0	<1	
Copper	ppm	ASTM D5185m	>330	<1	0	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m	7.0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	12	252	
Barium	ppm	ASTM D5185m	10	0	0	
Molybdenum	ppm	ASTM D5185m	100	59	105	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	450	931	587	
Calcium	ppm	ASTM D5185m	3000	1185	1459	
Phosphorus	ppm	ASTM D5185m	1150	1111	651	
Zinc	ppm	ASTM D5185m	1350	1338	765	
Sulfur	ppm	ASTM D5185m	4250	3161	2457	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	5	
Sodium	ppm	ASTM D5185m	>216	5	4	
Potassium	ppm	ASTM D5185m	>20	1	8	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	
Nitration	Abs/cm	*ASTM D7624	>20	10.3	11.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4	24.0	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Al / d	*AOTM D7444	0.5	40.0	00.4	
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.8	20.4	
Oxidation Base Number (BN)		ASTM D2896		19.8 6.5	8.0	



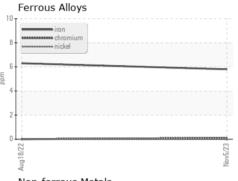
## **OIL ANALYSIS REPORT**



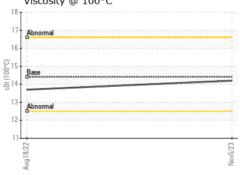
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPERT	IES	method	limit/base	current	history1	history2

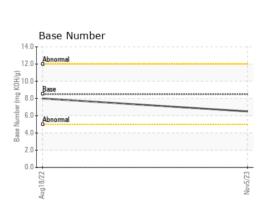
FLUID PROPER	TIES	method	limit/base		history1	history2
Visc @ 100°C	cSt	ASTM D445	14.4	14.2	13.7	

### **GRAPHS**



	Non-ferrous Metals
10	copper
8 -	neasananana jead
6 -	
mdd .	
4	
2	
0	***************************************
	Aug 18/22 Nov5/23
	Viscosity @ 100°C







Laboratory Sample No. Lab Number

Unique Number : 10726944

: ARI05998584 : 05998584

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 06 Nov 2023 Diagnostician : Wes Davis

: 06 Nov 2023

Test Package : CONST ( Additional Tests: TBN ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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