WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

CVA
Machine Id
CVA
Component

Component Starboard Genset

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		MW0065359	MW0054850	MW005482
	Sample Date		Client Info		07 Apr 2024	15 Jan 2024	19 Dec 202
	Machine Age	hrs	Client Info		17001	16000	15725
	Oil Age	hrs	Client Info		281	300	300
	Filter Age	hrs	Client Info		281	300	300
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAD.	lvon		ACTM DE10Em	. 50	•	0	.4
WEAR	Iron	ppm	ASTM D5185m		2	2	<1
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	<1	0
	Nickel	ppm	ASTM D5185m	>2	0	0	0
	Titanium	ppm	ASTM D5185m	_	0	0	0
	Silver Aluminum	ppm	ASTM D5185m		0	0	0
		ppm	ASTM D5185m ASTM D5185m		1	·	1
	Lead	ppm			0	<1	0
	Copper Tin	ppm	ASTM D5185m ASTM D5185m		0	0	0 <1
	Vanadium	ppm	ASTM D5185m	>10	0	<1	0
	White Metal	ppm scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
<u></u>			Visual		·····	INOINL	INOINE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	2	3	2
	Potassium	ppm	ASTM D5185m	>20	0	0	<1
There is no indication of any contamination in the oil.	Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
	Water		WC Method	>0.1	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	7.4	7.8	7.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	14.7	15.1	14.9
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	0	<1
LOID CONDITION	Boron	ppm	ASTM D5185m		49	41	41
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		45	41	41
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m		9	11	10
	Calcium	ppm	ASTM D5185m		3398	3375	3305
	Phosphorus	ppm	ASTM D5185m		0	0	4
	Zinc	ppm	ASTM D5185m		0	0	0
	Sulfur	ppm	ASTM D5185m		2475	2011	2121
	Oxidation	Abs/.1mm	*ASTM D7414	>25	9.5	10.2	10.4
	Base Number (BN)				6.0	5.4	5.8







Certificate L2367

Laboratory Sample No.

: MW0065359 Lab Number : 06150053 Unique Number : 10980131 Test Package : MAR 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Apr 2024

Tested : 17 Apr 2024 Diagnosed : 17 Apr 2024 - Wes Davis

AMERICAN RIVER TRANSPORTATION CO. P.O. BOX 2889

ST. LOUIS, MO US 63111

F: (314)481-5278

Contact: BRIAN GRIEWING brian.griewing@adm.com

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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