

CGL STBD RED GEAR

Component Starboard Genset Fluid CHEVRON DELO 710 LE (5 GAL)

CHEVRON DELO /10 LE (5 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		MW0043932	MW0016718	
	Sample Date		Client Info		08 Jan 2024	05 May 2021	
	Machine Age	hrs	Client Info		13467	0	
	Oil Age	hrs	Client Info		221	232	
	Filter Age	hrs	Client Info		221	232	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>50	3	6	
WEAN	Chromium	ppm	ASTM D5185m		0	<1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	
	Titanium	ppm	ASTM D5185m	>2	0	0	
	Silver	ppm	ASTM D5185m	>5	0	0	
	Aluminum	ppm	ASTM D5185m		1	<1	
	Lead	ppm	ASTM D5185m		- <1	<1	
	Copper	ppm	ASTM D5185m		<1	<1	
	Tin	ppm	ASTM D5185m		<1	<1	
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
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CONTAMINATION	Silicon	ppm	ASTM D5185m		2	1	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	1	
	Fuel		WC Method	>4.0	<1.0	<1.0	
	Water		WC Method	>0.1	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844		0.1	0.1	
	Nitration	Abs/cm	*ASTM D7624	>20	6.8	7.4	
	Sulfation	Abs/.1mm	*ASTM D7415		14.6	15	
	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	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	3	
	Boron	ppm	ASTM D5185m		40	39	
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	
	Molybdenum	ppm	ASTM D5185m		41	41	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		24	12	
	Calcium	ppm	ASTM D5185m		3184	3414	
	Phosphorus	ppm	ASTM D5185m		7	2	
	Zinc	ppm	ASTM D5185m	10	12	0	
	Culture		ACTM DE105m		0070	1 7 7 1	

Sulfur

Oxidation

Visc @ 100°C cSt

ppm ASTM D5185m

Base Number (BN) mg KOH/g ASTM D2896 9.2

Abs/.1mm *ASTM D7414 >25

ASTM D445 15.5

1771

8.7

6.3

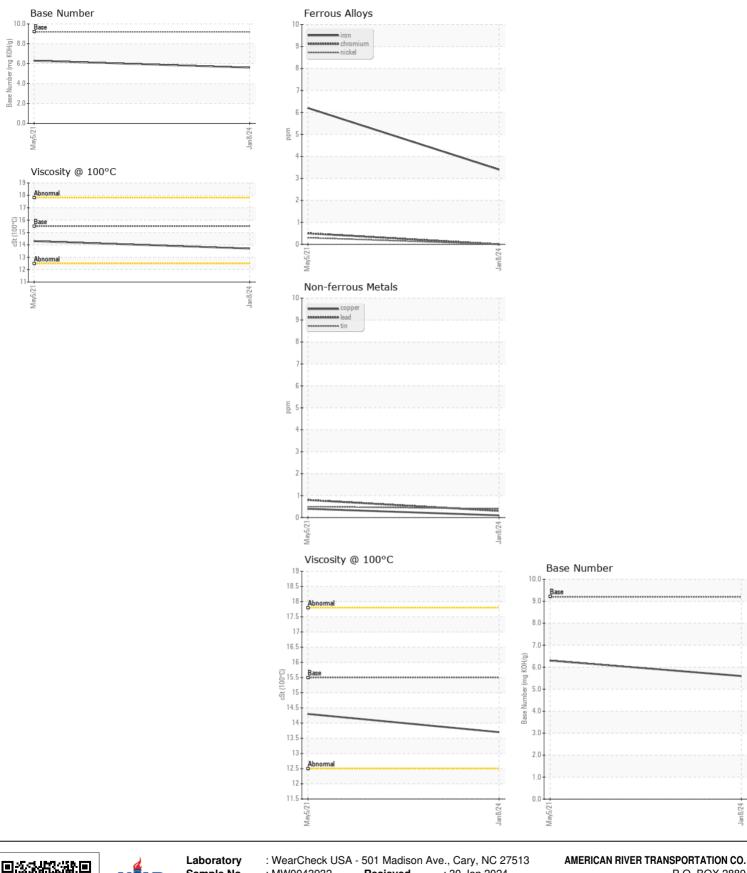
14.3

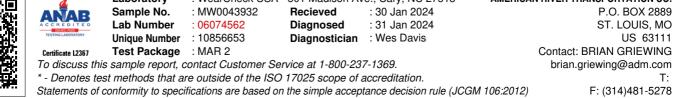
2079

9.2

5.6

13.7





Submitted By: ?

US 63111

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