

AHE Machine Id AHE Component Starboard Genset Fluid CHEVRON DELO 710 LS (8 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
THE COMMENDATION	Sample Number	00111	Client Info	Ennerion	MW0054985	MW0054994	MW0050632
Oil and filter change at the time of sampling has been noted. Resample	Sample Date		Client Info		25 May 2024	22 Jun 2023	14 May 2023
at the next service interval to monitor.	Machine Age	hrs	Client Info		286	28023	27680
	Oil Age	hrs	Client Info		286	343	314
	Filter Age	hrs	Client Info		28	343	314
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ATTENTION	NORMAL	NORMAL
	·····						
WEAR	Iron	ppm	ASTM D5185m		14	4	2
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	1	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>2	0	0	0
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m		1	<1	0
	Aluminum	ppm	ASTM D5185m		3	2	1
	Lead	ppm	ASTM D5185m		1	<1	0
	Copper	ppm	ASTM D5185m		14	2	0
	Tin	ppm		>15	<1	<1	0
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	8	3	2
CONTAININATION	Potassium	ppm	ASTM D5185m		17	<1	<1
Fuel content negligible. There is no indication of any contamination in	Fuel	%	ASTM D3524		0.0	<1.0	<1.0
the oil.	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.1	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	7.4	7.7	7.1
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	14.3	14.4
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium		ASTM D5185m		7	3	2
FLUID CONDITION	Boron	ppm	ASTM D5185m		227	44	40
The oil viscosity is lower than normal. Additive levels indicate the	Barium	ppm	ASTM D5185m		<1	0	40
addition of a different brand, or type of oil. The BN result indicates that	Molybdenum	ppm ppm	ASTM D5185m		234	44	43
there is suitable alkalinity remaining in the oil. Confirm oil type.	Manganese	ppm	ASTM D5185m		<1	<1	43
	Magnesium	ppm	ASTM D5185m		773	15	12
	Calcium	ppm	ASTM D5185m		1876	3262	3391
	Phosphorus	ppm	ASTM D5185m		867	6	7
	Zinc	ppm	ASTM D5185m		1053	0	0
	Sulfur	ppm	ASTM D5185m		3525	2432	2546
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.9	7.4	7.2
	Dese Neurole en (DNI)			10 5	0.5	0.4	0.0

Base Number (BN) mg KOH/g ASTM D2896 10.5

ASTM D445 15.5

Visc @ 100°C cSt

6.4

14.2

6.9

14.2

9.5

10.9

WEAR

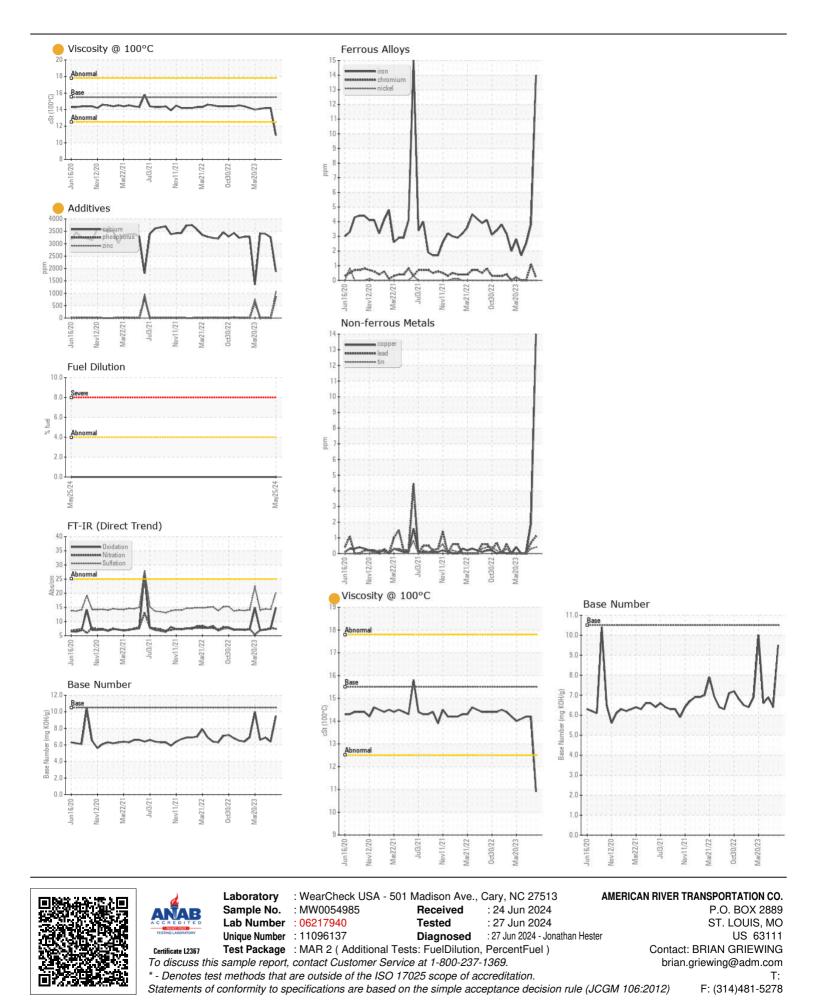
CONTAMINATION

FLUID CONDITION

NORMAL

NORMAL

ATTENTION



Contact/Location: BRIAN GRIEWING - AMESAI Page 2 of 2