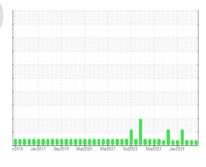


# **OIL ANALYSIS REPORT**

# **ELEANOR G MCDONALD** [ELEANOR G MCDONALD] 007 552824-7

Port Genset

CHEVRON DELO 400 XLE 15W40 (--- GAL)



Sample Rating Trend



### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the

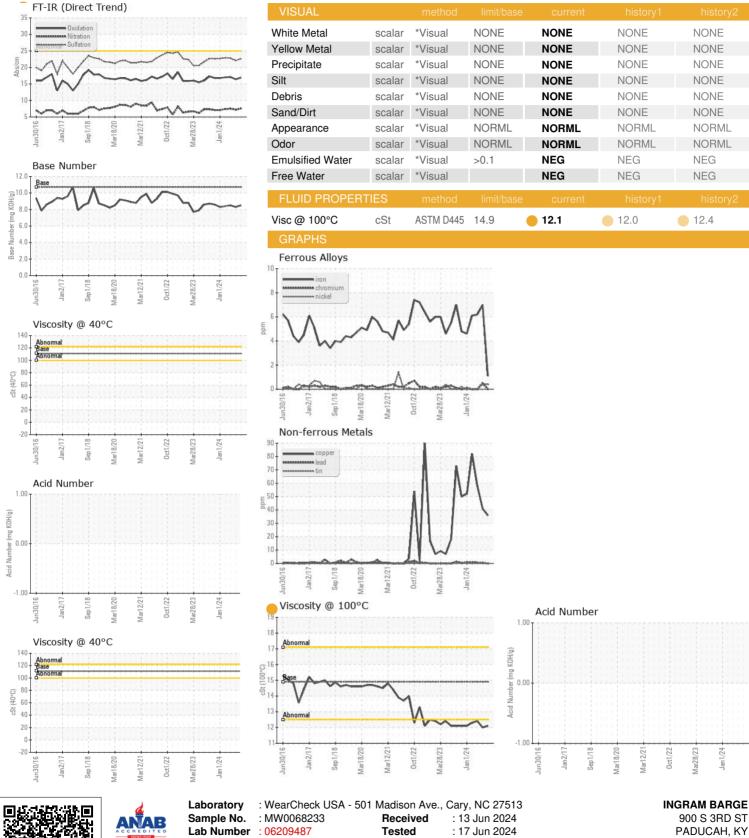
### Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		MW0068233	MW0065703	MW0065698
Sample Date		Client Info		01 Jun 2024	21 Mar 2024	02 Mar 2024
Machine Age	hrs	Client Info		6716	6011	5565
Oil Age	hrs	Client Info		207	400	361
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ATTENTION	ATTENTION
CONTAMINATION		method	limit/base	current	history1	history2
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
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	7	6
Chromium	ppm	ASTM D5185m	>4	0	<1	0
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>5	0	<1	0
Aluminum	ppm	ASTM D5185m	>12	2	4	3
Lead	ppm	ASTM D5185m	>17	0	<1	<1
Copper	ppm	ASTM D5185m	>70	36	41	58
Tin	ppm	ASTM D5185m		0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		2	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		421	351	314
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		114	115	112
Manganese	ppm	ASTM D5185m		2	2	3
Magnesium	ppm	ASTM D5185m		593	587	614
Calcium	ppm	ASTM D5185m		1572	1457	1487
Phosphorus	ppm	ASTM D5185m	760	648	643	677
Zinc	ppm	ASTM D5185m	830	783	779	804
Sulfur	ppm	ASTM D5185m	2770	2564	2461	2761
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	6	7
Sodium	ppm	ASTM D5185m		4	2	1
Potassium	ppm	ASTM D5185m	>20	3	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	7.6	7.2	7.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6	22.1	22.8
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.9	16.4	17.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	8.5	8.3	8.5
, ,						



## **OIL ANALYSIS REPORT**







Lab Number : 06209487

Unique Number : 11076948

**Tested** : 17 Jun 2024

Diagnosed : 17 Jun 2024 - Don Baldridge

Test Package : MAR 2 ( Additional Tests: KV40, TAN Man ) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - 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) US 42003

T: (270)415-4467

F: (615)695-3697

Contact: ANTHONY VAN CURA

anthony.vancura@ingrambarge.com