WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

HORTENSE B INGRAM

## [HORTENSE B INGRAM] 007 583226-7

Port Genset

CHEVRON DELO 400 XLE 15W40 ( GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	00	Client Info		MW0055482	-	MW0058513
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.	Sample Date		Client Info		21 Apr 2024	30 Mar 2024	14 Mar 2024
	Machine Age	hrs	Client Info		36287	35903	35500
	Oil Age	hrs	Client Info		404	403	332
	Filter Age	hrs	Client Info		404	403	332
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>50	6	3	6
	Chromium	ppm	ASTM D5185m	>4	<1	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m	>5	<1	0	0
	Aluminum	ppm	ASTM D5185m	>12	3	3	4
	Lead	ppm	ASTM D5185m		1	<1	<1
	Copper	ppm	ASTM D5185m	>70	0	<1	<1
	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	5	5	6
	Potassium	ppm	ASTM D5185m		1	<1	1
Light fuel dilution occurring. No other contaminants were detected in the oil.	Fuel	%	ASTM D3524		1.3	<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	7.1	6.9	7.8
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6	23.0	23.5
	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	ppm	ASTM D5185m		2	2	2
TI DN 101 10 10 10 10 10 10 10 10 10 10 10 10	Boron	ppm	ASTM D5185m		342	430	422
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		<1	0	0
	Molybdenum	ppm	ASTM D5185m		124	128	133
	Manganese	ppm	ASTM D5185m		<1	1	2
	Magnesium	ppm	ASTM D5185m		631	677	718
	Calcium	ppm	ASTM D5185m		1692	1565	1623
	Phosphorus	ppm	ASTM D5185m		720	722	761
	Zinc	ppm	ASTM D5185m		803	825	864
	Sulfur	ppm	ASTM D5185m		2772	2869	3020
	Oxidation	Abs/.1mm	*ASTM D7414		16.7	17.0	17.9
	Base Number (BN)		ASTM D2896		8.7	9.2	9.3
	Visc @ 100°C	cSt	ASTM D445	14.9	12.4	12.7	13.1







Laboratory Sample No.

: MW0055482 Lab Number : 06194843

Unique Number : 11056966

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 May 2024 **Tested** 

Diagnosed Test Package: MAR 2 (Additional Tests: FuelDilution, PercentFuel)

: 03 Jun 2024

: 03 Jun 2024 - Wes Davis

Contact: ANTHONY VAN CURA anthony.vancura@ingrambarge.com

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Certificate L2367 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) 900 S 3RD ST

PADUCAH, KY

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