WEAR CONTAMINATION FLUID CONDITION

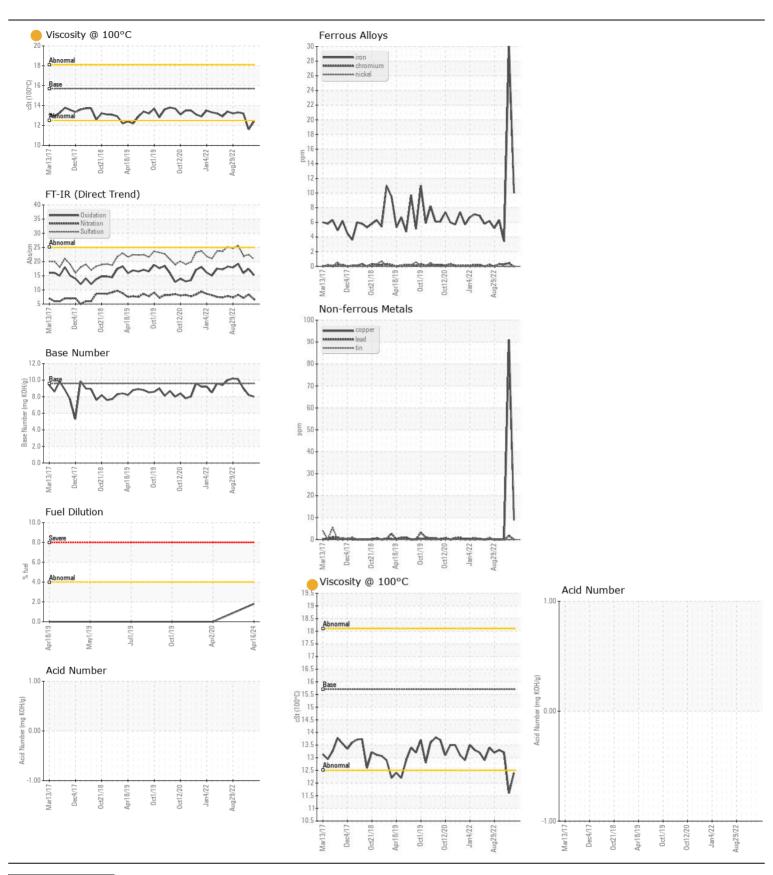
NORMAL NORMAL ATTENTION

PB SHAH

[PB SHAH] 007 566553-7

Port Genset

CHEVRON DELO 400 LE 15W40 (7 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		MW0066121	MW0066122	MW0060144
No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		19 May 2024	16 Apr 2024	01 Sep 2023
	Machine Age	hrs	Client Info		839	395	37081
	Oil Age	hrs	Client Info		426	395	400
	Filter Age	hrs	Client Info		426	0	0
	Oil Changed		Client Info		Changed	N/A	N/A
	Filter Changed		Client Info		Changed	N/A	N/A
	Sample Status				ATTENTION	ATTENTION	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>50	10	30	3
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>4	0	<1	<1
	Nickel	ppm	ASTM D5185m	>2	0	0	0
	Titanium	ppm	ASTM D5185m		<1	3	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>12	2	2	0
	Lead	ppm	ASTM D5185m		0	2	0
	Copper	ppm	ASTM D5185m		9	91	<1
	Tin	ppm	ASTM D5185m	>15	0	0	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	7	20	5
	Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Fuel content negligible. There is no indication of any contamination in the oil.	Fuel	%	ASTM D3524	>4.0	<1.0	1.8	<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	6.7	8.4	7.1
	Sulfation	Abs/.1mm	*ASTM D7415		20.9	22.4	22.0
	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	NORML NORML
	Odor Emulsified Water	scalar	*Visual	NORML >0.1	NORML NEG	NEG	NEG
		Scalai	Visuai	>0.1	·····		INLG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	3	<1
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.	Boron	ppm	ASTM D5185m		327	289	309
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		96	118	120
	Manganese	ppm	ASTM D5185m		3	7	<1
	Magnesium	ppm	ASTM D5185m		418	718	676
	Calcium	ppm	ASTM D5185m	1000	1511	1693	1865
	Phosphorus	ppm	ASTM D5185m		840	781	649
	Zinc	ppm	ASTM D5185m		1105	920	796
	Sulfur	ppm Aba/1mm	ASTM D5185m		3240	3220	2996
	Oxidation	Abs/.1mm	*ASTM D7414		15.2	17.4	15.9
	Base Number (BN)				8.0	8.2	9.0
	Visc @ 100°C	cSt	ASTM D445	15./	12.4	11.6	13.2







Certificate L2367

Laboratory Sample No.

: MW0066121 Lab Number : 06211056 Unique Number: 11083920

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

: 14 Jun 2024 Diagnosed Test Package: MAR 2 (Additional Tests: FuelDilution, TAN Man)

: 19 Jun 2024 : 19 Jun 2024 - Sean Felton

INGRAM BARGE 900 S 3RD ST PADUCAH, KY US 42003

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.

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (615)695-3697 Contact/Location: ANTHONY VAN CURA - INGPAD