WEAR CONTAMINATION **FLUID CONDITION**

NORMAL ABNORMAL NORMAL

Port Genset							
CHEVRON DELO 710 LS (5 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		MW0043990	MW0043989	MW0043987
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		16 Jun 2024	05 Jun 2024	19 May 2024
	Machine Age	hrs	Client Info		5705	5396	5094
	Oil Age	hrs	Client Info		280	304	340
	Filter Age	hrs	Client Info		280	304	340
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>50	3	3	5
A.II.	Chromium	ppm	ASTM D5185m	>4	<1	0	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>2	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>5	0	0	0
	Aluminum	ppm	ASTM D5185m	>12	<1	1	1
	Lead	ppm	ASTM D5185m	>17	0	1	1
	Copper	ppm	ASTM D5185m	>70	1	<1	<1
	Tin	ppm	ASTM D5185m	>15	0	0	0
	Vanadium	ppm	ASTM D5185m		0	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTABINATION							
CONTAMINATION	Silicon	ppm	ASTM D5185m		<u>^</u> 27	21	8
Elemental level of silicon (Si) above normal.	Potassium	ppm	ASTM D5185m		<1	<1	1
	Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
	Water		WC Method	>0.1	NEG	NEG	NEG
	Glycol	0/	WC Method		NEG	NEG	NEG
	Soot %	% Aba/am	*ASTM D7844	00	0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624		7.0	6.9	7.9 14.9
	Sulfation Silt	Abs/.1mm	*ASTM D7415		14.3 NONE	14.2 NONE	
	Debris	scalar	*Visual *Visual	NONE	NONE	NONE NONE	NONE
	Sand/Dirt	scalar scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water			>0.1	NEG	NEG	NEG
			VIOUGI			1420	INLO
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	<1	2
The DNI would be discussed the Alberta in a solitable will be Politic as a solitable with the	Boron	ppm	ASTM D5185m		35	43	43
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	0
	Molybdenum	ppm	ASTM D5185m		42	45	46
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		8	4	4
	Calcium	ppm	ASTM D5185m		3463	3450	3493
	Phosphorus	ppm	ASTM D5185m		2	0	0
	Zinc	ppm	ASTM D5185m		0	0	0
	Sulfur	ppm	ASTM D5185m		2396	2486	2515
	Oxidation	Abs/.1mm	*ASTM D7414		8.5	8.5	10.3
	Base Number (BN)	mg KOH/g	ASTM D2896	10.5	6.1	5.8	5.7

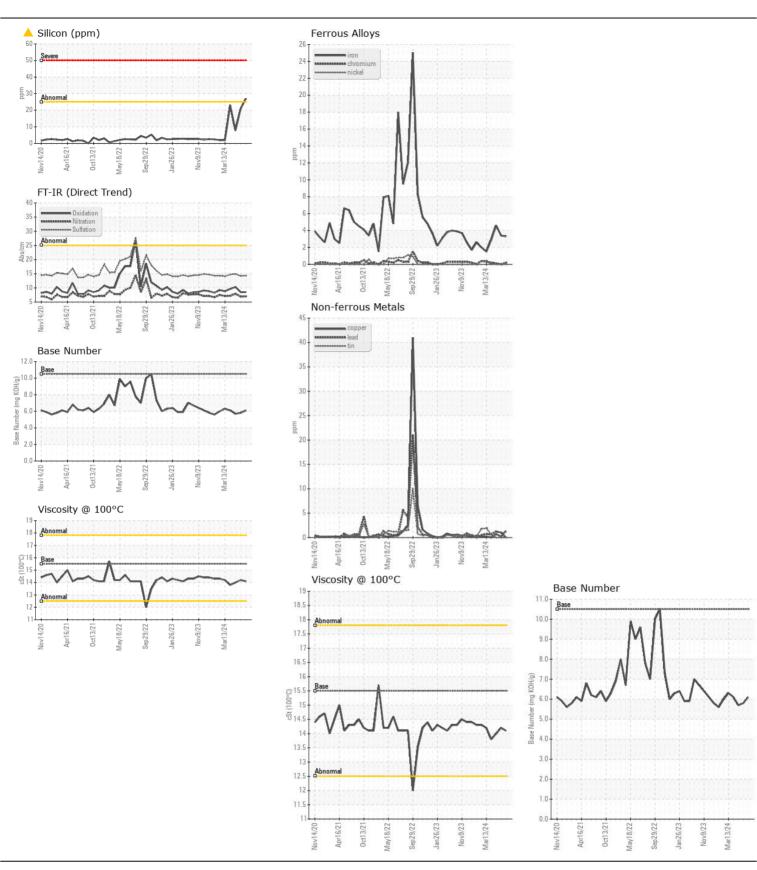
Visc @ 100°C cSt

14.2

14.1

ASTM D445 15.5

14.0







Certificate L2367

Laboratory Sample No.

: MW0043990 Lab Number : 06234183 Unique Number : 11123017 Test Package : MAR 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jul 2024 **Tested** : 12 Jul 2024

Diagnosed : 14 Jul 2024 - Don Baldridge

AMERICAN RIVER TRANSPORTATION CO.

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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)

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