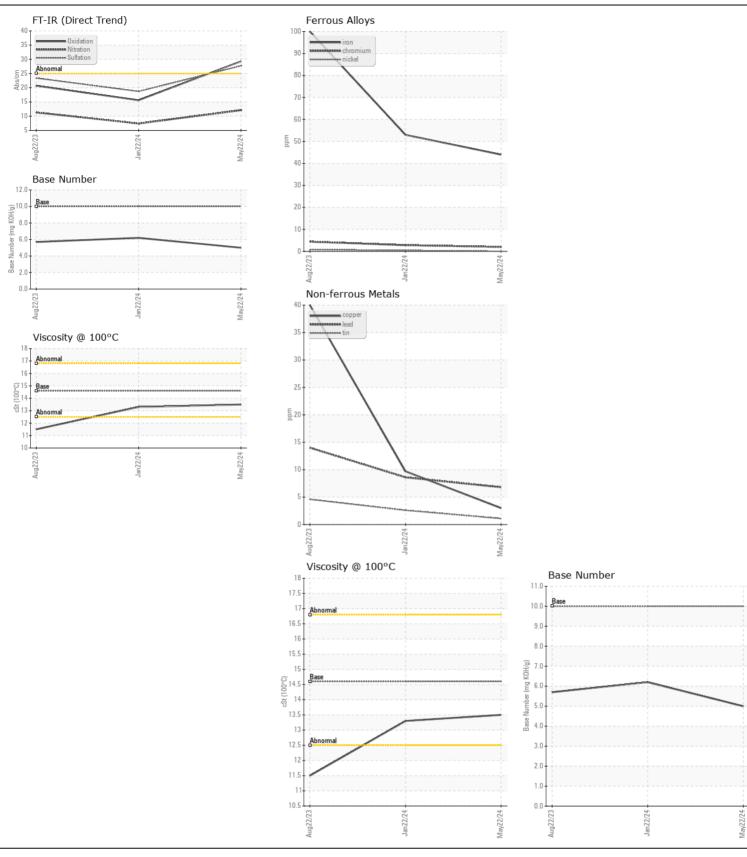
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

2328
Component
1 Diesel Engine

Resample at the next service interval to monitor.	CHEVRON DELO 400 SDE SAE 15W40 (48 QTS	S)						
Resample at the next service interval to monitor.	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age mls Client Info 30000 30011 3600 30011 3600 30000 30111 3600 30000 30111 3600 30000 30111 3600 30000 30111 3600 30111		Sample Number		Client Info		WC0876919	WC0876899	WC082896
Machine Age mls Client Info 95711 66890 38000 30000 30811 3600 30000 30811 3600 30000 30811 3600 30811 3600 30811 3600 30811 3600 30811 3600 30811 3600 30811 3600 30811 3600 30811 3600 30811 3600 30811 3600 30811 3600 36000 36011 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600	Resample at the next service interval to monitor.	Sample Date		Client Info		22 May 2024	22 Jan 2024	22 Aug 202
Filter Age		Machine Age	mls	Client Info		95711	66890	36079
Oil Changed Client Info Changed Change		Oil Age	mls	Client Info		30000	30811	36079
Filter Changed Samule Status			mls	Client Info		30000		36079
Filter Changed Samule Status		Oil Changed		Client Info		Changed	Changed	Changed
Normal N				Client Info		Changed	Changed	Changed
All component wear rates are normal. Chromium ppm ASTM DS185m 24 2 3 4 Nickel ppm ASTM DS185m 22 0 0 0 0 0 0 0 0		-				NORMAL	NORMAL	ABNORMA
Nicke ppm	WEAR	Iron	ppm	ASTM D5185m	>110	44	53	100
No.Net Opt ASTM 05165m 2	All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>4	2	3	4
Silver		Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum ppm ASTM D5185m >25 7 13 33 35 10 44 11 3 55 55 10 44 15 15 10 10 10 10 10 10		Titanium	ppm	ASTM D5185m		0	0	<1
Lead ppm ASTM D5185m 34 7 9 1-		Silver	ppm	ASTM D5185m	>2	<1	0	<1
Copper ppm ASTM DS185m >85 3 10 44		Aluminum	ppm	ASTM D5185m	>25	7	13	32
Tin		Lead	ppm			7	9	14
Vanadium		Copper	ppm	ASTM D5185m	>85	3	10	40
White Metal Yellow Metal Scalar *Visual NONE NONE NONE NONE NONE NONE NONE NONE		Tin	ppm	ASTM D5185m	>4	1	3	5
Vellow Metal scalar Visual NONE NO		Vanadium	ppm	ASTM D5185m		0	<1	<1
Silicon ppm ASTM D5185m >30 13 15 4 48		White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Potassium ppm ASTM D5185m >20 9 33 11		Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
There is no indication of any contamination in the oil. Fuel WC Method >5 <1.0 <1.0 <	CONTAMINATION	Silicon	ppm	ASTM D5185m	>30	13	15	4 9
Water Wo Method So.2 NEG N	There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	9	33	101
Glycol WC Method NEG NEG NEG NEG Not		Fuel		WC Method	>5	<1.0	<1.0	<1.0
Soot % %		Water			>0.2	NEG	NEG	NEG
Nitration Abs/cm *ASTM D7624 >20 12.1 7.4 11		Glycol		WC Method		NEG	NEG	NEG
Sulfation Abs./imm *ASTM D7415 >30 27.7 18.7 23.5		Soot %	%	*ASTM D7844	>3	0.4	0.2	0.4
Silt scalar *Visual NONE NORML N		Nitration	Abs/cm	*ASTM D7624	>20	12.1	7.4	11.3
Debris Scalar *Visual NONE			Abs/.1mm	*ASTM D7415	>30	27.7	18.7	23.4
Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORM		Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance Scalar *Visual NORML NORM		Debris	scalar	*Visual	NONE	NONE	NONE	NONE
NORML NORM		Sand/Dirt	scalar	*Visual	NONE		NONE	NONE
Emulsified Water scalar *Visual >0.2 NEG N			scalar	*Visual	NORML	NORML	NORML	NORM
Sodium ppm ASTM D5185m 1 2 8		Odor	scalar	*Visual	NORML		NORML	NORM
Boron ppm ASTM D5185m 100 89 44		Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
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 134 111 33 111 33 111 33 111 33 111 33 111 33 111 33 111 33 111 34 111 35	FLUID CONDITION		ppm					
oil. The condition of the oil is suitable for further service. Molybdenum ppm ASTM D5185m 134 111 33			ppm					48
Molybdenum ppm ASTM D5185m 134 111 33 Manganese ppm ASTM D5185m 1 2 6 Magnesium ppm ASTM D5185m 756 624 90 Calcium ppm ASTM D5185m 1830 1470 11 Phosphorus ppm ASTM D5185m 760 826 643 83 Zinc ppm ASTM D5185m 800 1015 812 96 Sulfur ppm ASTM D5185m 3000 3120 2162 36 Oxidation Abs/.1mm *ASTM D7414 >25 29.3 15.6 20 Base Number (BN) mg KOH/g ASTM D2896 10 5.0 6.2 5.5			ppm					0
Magnesium ppm ASTM D5185m 756 624 90 Calcium ppm ASTM D5185m 1830 1470 13 Phosphorus ppm ASTM D5185m 760 826 643 83 Zinc ppm ASTM D5185m 800 1015 812 98 Sulfur ppm ASTM D5185m 3000 3120 2162 36 Oxidation Abs/.1mm *ASTM D7414 >25 29.3 15.6 20 Base Number (BN) mg KOH/g ASTM D2896 10 5.0 6.2 5.5		•	ppm			134		32
Calcium ppm ASTM D5185m 1830 1470 11 Phosphorus ppm ASTM D5185m 760 826 643 83 Zinc ppm ASTM D5185m 800 1015 812 98 Sulfur ppm ASTM D5185m 3000 3120 2162 36 Oxidation Abs/.1mm *ASTM D7414 >25 29.3 15.6 20 Base Number (BN) mg KOH/g ASTM D2896 10 5.0 6.2 5.5		_						6
Phosphorus ppm ASTM D5185m 760 826 643 83 Zinc ppm ASTM D5185m 800 1015 812 98 Sulfur ppm ASTM D5185m 3000 3120 2162 36 Oxidation Abs/.1mm *ASTM D7414 >25 29.3 15.6 20 Base Number (BN) mg KOH/g ASTM D2896 10 5.0 6.2 5.0		_	ppm					907
Zinc ppm ASTM D5185m 800 1015 812 98 Sulfur ppm ASTM D5185m 3000 3120 2162 30 Oxidation Abs/.1mm *ASTM D7414 >25 29.3 15.6 20 Base Number (BN) mg KOH/g ASTM D2896 10 5.0 6.2 5.0			ppm					1735
Sulfur ppm ASTM D5185m 3000 3120 2162 30 Oxidation Abs/.1mm *ASTM D7414 >25 29.3 15.6 20 Base Number (BN) mg KOH/g ASTM D2896 10 5.0 6.2 5.0			ppm					820
Oxidation Abs/.1mm *ASTM D7414 >25 29.3 15.6 20 Base Number (BN) mg KOH/g ASTM D2896 10 5.0 6.2 5.			ppm					983
Base Number (BN) mg KOH/g ASTM D2896 10 5.0 6.2 5.			ppm					3609
								20.7
Visc @ 100°C cSt ASTM D445 14.6			mg KOH/g			5.0		5.7
		Visc @ 100°C	cSt	ASTM D445	14.6	13.5	13.3	11.5







Certificate L2367

Laboratory Sample No.

: WC0876919 Lab Number : 06193322 Unique Number : 11050074 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 May 2024 : 30 May 2024

Tested Diagnosed

: 30 May 2024 - Sean Felton

Ergon Trucking Inc. - NEW604 2567 Congo Arroyo

Newell, WV US 26050 Contact: JASON JULIAN

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)

T:

F: