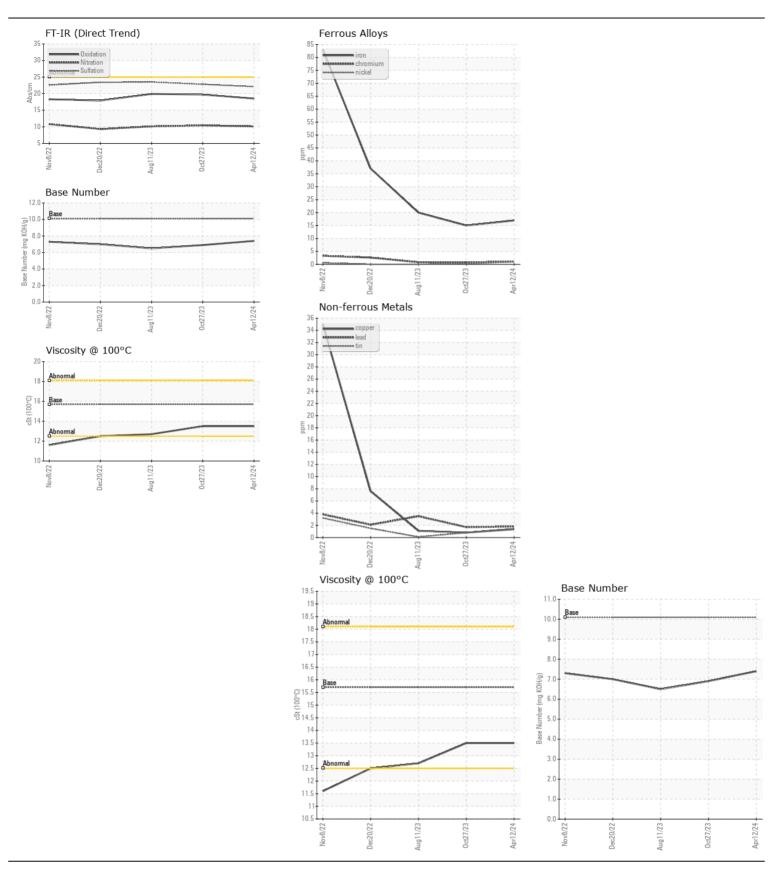
WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Machine Id **2307**

Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0871359	WC0828994	PCA007623
	Sample Date		Client Info		12 Apr 2024	27 Oct 2023	11 Aug 202
	Machine Age	mls	Client Info		148000	0	95280
	Oil Age	mls	Client Info		20000	20000	20000
	Filter Age	mls	Client Info		20000	20000	20000
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
MEAR	lvan		ASTM D5185m	. 00	47	15	20
WEAR	Iron	ppm			17 1	15	20
All component wear rates are normal.	Chromium Nickel	ppm	ASTM D5185m ASTM D5185m		1	<1 <1	<1
	Titanium	ppm				0	0
	Silver	ppm	ASTM D5185m ASTM D5185m		<1 <1	0	0
	Aluminum	ppm	ASTM D5185m			7	10
	Lead	ppm	ASTM D5185m		9	2	4
	Copper	ppm	ASTM D5185m		1	<1	1
	Tin	ppm	ASTM D5185m		1	<1	<1
	Vanadium	ppm	ASTM D5185m	/10	<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	8	8	8
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	20	17	22
	Fuel			>3.0	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>6	0.4	0.4	0.4
	Nitration	Abs/cm		>20	10.1	10.4	10.1
	Sulfation	Abs/.1mm	*ASTM D7415		22.1	22.8	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	4	2
	Boron	ppm	ASTM D5185m	316	28	26	117
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	1.2	56	56	130
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	24	465	516	615
	Calcium	ppm	ASTM D5185m		1559	1551	1491
	Phosphorus	ppm	ASTM D5185m	1064	1046	1016	625
	Zinc	ppm	ASTM D5185m	1160	1196	1244	798
	Sulfur	ppm	ASTM D5185m	4996	3183	3005	2288
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5	19.7	19.9
	Base Number (BN)	mg KOH/g	ASTM D2896	10.1	7.4	6.9	6.5
	Visc @ 100°C	cSt	ASTM D445			13.5	12.7







Certificate L2367

Laboratory Sample No.

: WC0871359 Lab Number : 06156761 Unique Number: 10992184 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 : 23 Apr 2024

Tested Diagnosed **Ergon Trucking Inc. - MAR605**

35020 State Route 7 Marietta, OH US 45768-5236 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)

: 23 Apr 2024 - Wes Davis

T: F: