



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
2329
 Component
1 Diesel Engine
 Fluid
CHEVRON DELO 400 SDE SAE 15W40 (48 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0876903	WC0828976	---
Sample Date		Client Info		30 Jan 2024	18 Sep 2023	---
Machine Age	mls	Client Info		70053	37617	---
Oil Age	mls	Client Info		32436	37617	---
Filter Age	mls	Client Info		32436	37617	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>110	37	74	---
Chromium	ppm	ASTM D5185m	>4	2	4	---
Nickel	ppm	ASTM D5185m	>2	<1	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>2	0	<1	---
Aluminum	ppm	ASTM D5185m	>25	15	43	---
Lead	ppm	ASTM D5185m	>45	4	7	---
Copper	ppm	ASTM D5185m	>85	9	45	---
Tin	ppm	ASTM D5185m	>4	2	4	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

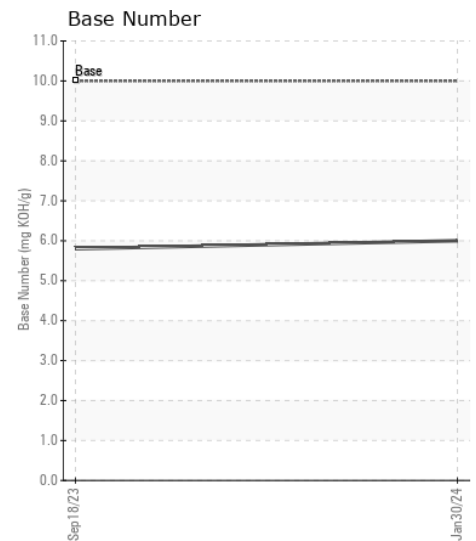
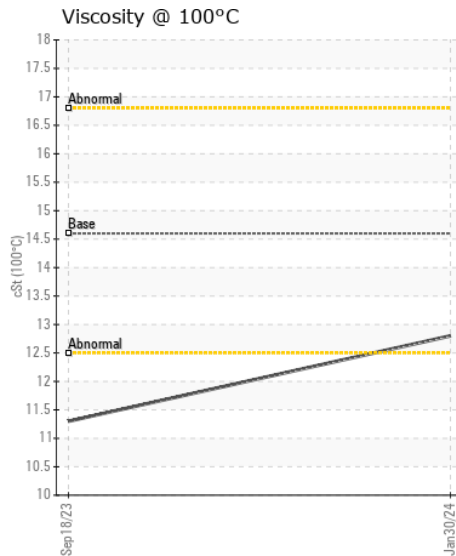
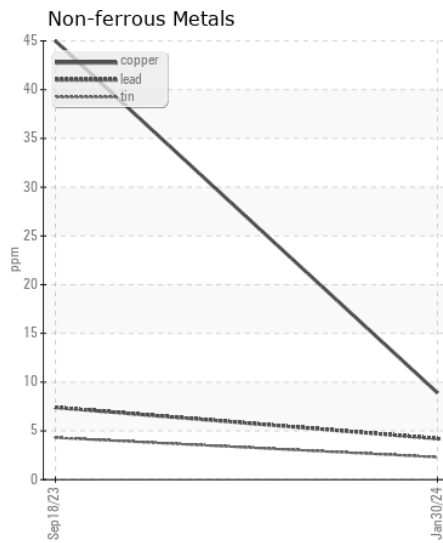
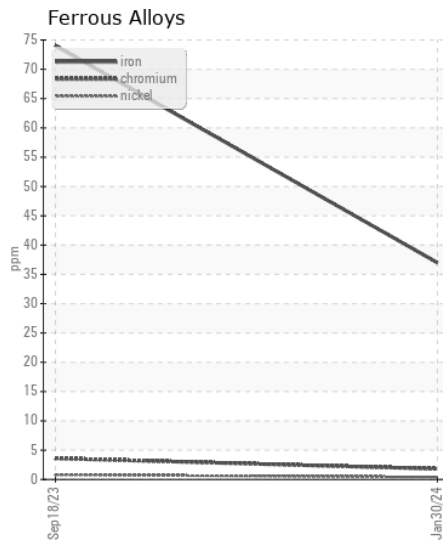
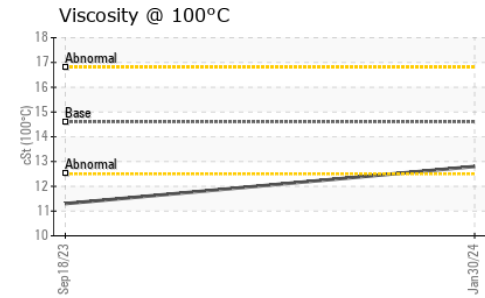
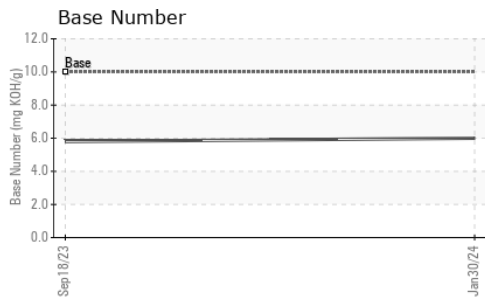
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	13	52	---
Potassium	ppm	ASTM D5185m	>20	39	142	---
Fuel		WC Method	>5	<1.0	0.9	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.4	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	9.4	11.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.2	23.2	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	6	---
Boron	ppm	ASTM D5185m		119	26	---
Barium	ppm	ASTM D5185m		0	6	---
Molybdenum	ppm	ASTM D5185m		110	29	---
Manganese	ppm	ASTM D5185m		2	7	---
Magnesium	ppm	ASTM D5185m		633	865	---
Calcium	ppm	ASTM D5185m		1456	1573	---
Phosphorus	ppm	ASTM D5185m	760	636	767	---
Zinc	ppm	ASTM D5185m	800	797	1008	---
Sulfur	ppm	ASTM D5185m	3000	2217	3308	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.6	20.2	---
Base Number (BN)	mg KOH/g	ASTM D2896	10	6.0	5.8	---
Visc @ 100°C	cSt	ASTM D445	14.6	12.8	▲ 11.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0876903
Lab Number : 06097483
Unique Number : 10890336
Test Package : FLEET

Received : 22 Feb 2024
Tested : 23 Feb 2024
Diagnosed : 23 Feb 2024 - Wes Davis

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)

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F: