



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
T-1965

Component
Diesel Engine

Fluid
CHEVRON DELO 400 SDE SAE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0829027	WC0829038	WC0829042
Sample Date		Client Info		08 Jan 2024	26 Sep 2023	20 Jun 2023
Machine Age	mls	Client Info		150092	128945	107658
Oil Age	mls	Client Info		30000	20000	30000
Filter Age	mls	Client Info		30000	20000	30000
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	17	34	▲ 138
Chromium	ppm	ASTM D5185m	>4	<1	1	▲ 6
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	9	16	▲ 41
Lead	ppm	ASTM D5185m	>45	3	3	13
Copper	ppm	ASTM D5185m	>85	<1	1	4
Tin	ppm	ASTM D5185m	>4	<1	<1	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

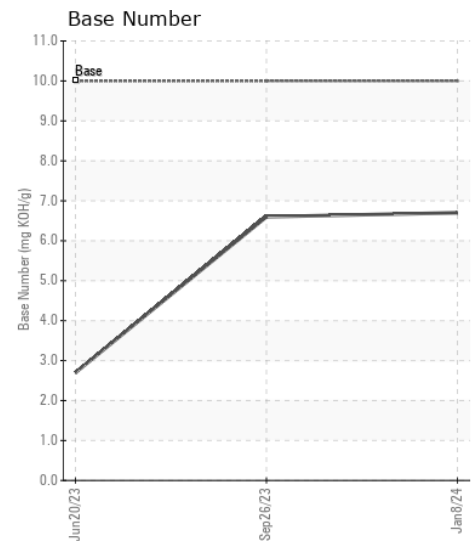
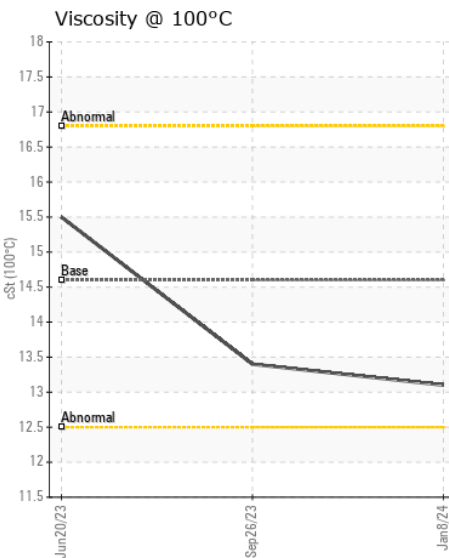
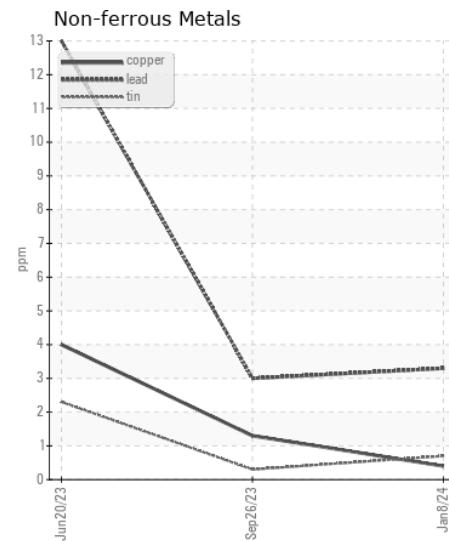
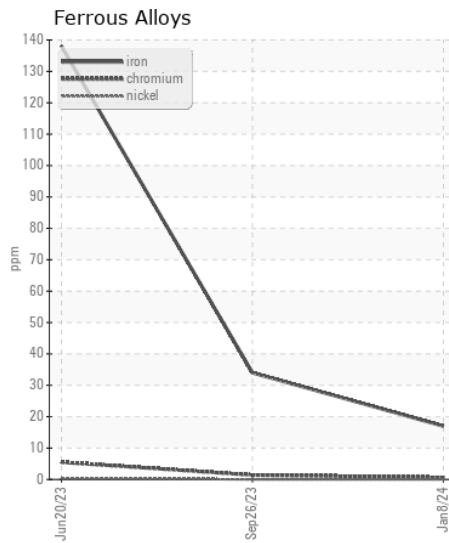
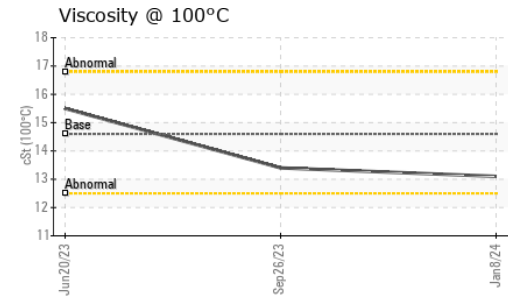
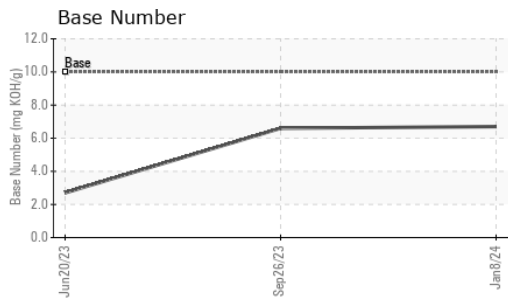
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	7	7	11
Potassium	ppm	ASTM D5185m	>20	8	20	59
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.5	0.6	1.4
Nitration	Abs/cm	*ASTM D7624	>20	10.5	11.4	16.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.4	26.1	36.4
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
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	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		1	<1	2
Boron	ppm	ASTM D5185m		172	102	50
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		115	111	77
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		623	618	468
Calcium	ppm	ASTM D5185m		1434	1527	1814
Phosphorus	ppm	ASTM D5185m	760	720	701	787
Zinc	ppm	ASTM D5185m	800	837	887	1062
Sulfur	ppm	ASTM D5185m	3000	2470	2482	3169
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.6	24.1	43.0
Base Number (BN)	mg KOH/g	ASTM D2896	10	6.7	6.6	▲ 2.7
Visc @ 100°C	cSt	ASTM D445	14.6	13.1	13.4	15.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0829027 **Received** : 17 Jan 2024
Lab Number : 06063423 **Diagnosed** : 18 Jan 2024
Unique Number : 10834805 **Diagnostician** : Wes Davis
Test Package : FLEET

Ergon Trucking Inc. - MER606
 944 New Castle - Mercer Road
 Mercer, PA
 US 16137
 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: