



WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
3987
Component
Diesel Engine
Fluid
CHEVRON DELO 400 XLE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0833244	WC0833144	---
Sample Date		Client Info		28 Dec 2023	28 Jun 2023	---
Machine Age	mls	Client Info		116658	41957	---
Oil Age	mls	Client Info		37443	41957	---
Filter Age	mls	Client Info		37443	41957	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	6	58	---
Chromium	ppm	ASTM D5185m	>20	0	<1	---
Nickel	ppm	ASTM D5185m	>4	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	<1	---
Aluminum	ppm	ASTM D5185m	>20	4	33	---
Lead	ppm	ASTM D5185m	>40	0	<1	---
Copper	ppm	ASTM D5185m	>330	<1	19	---
Tin	ppm	ASTM D5185m	>15	0	2	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

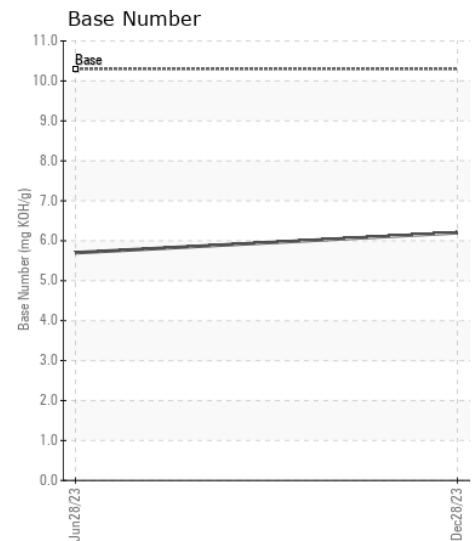
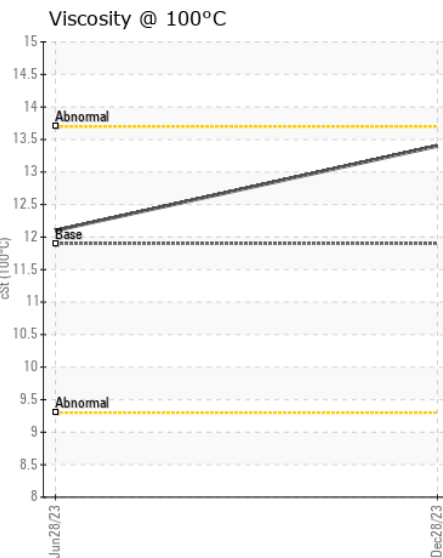
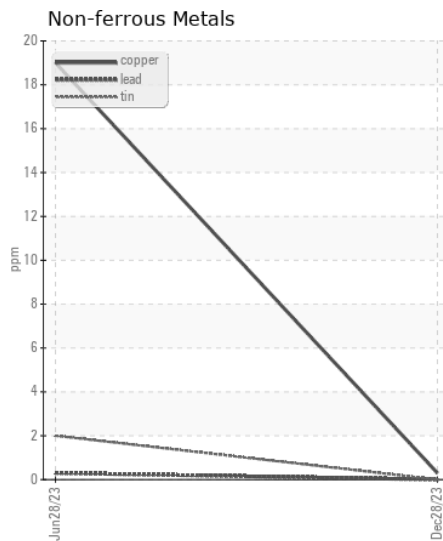
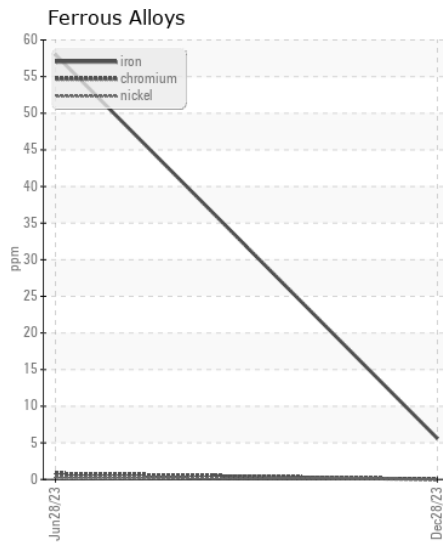
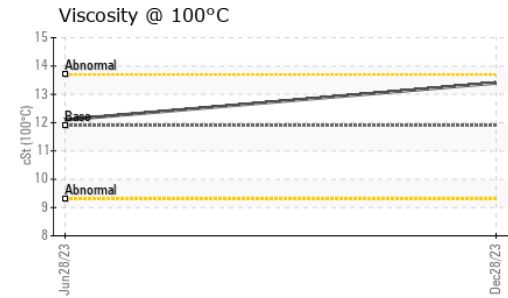
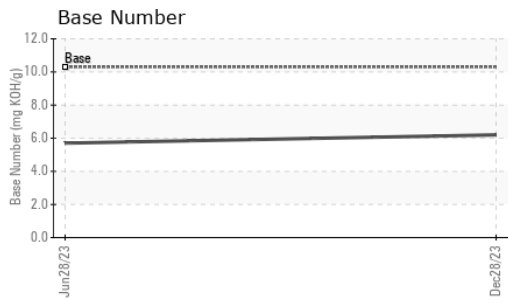
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	11	---
Potassium	ppm	ASTM D5185m	>20	9	71	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.3	0.6	---
Nitration	Abs/cm	*ASTM D7624	>20	9.8	10.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5	25.1	---
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	5	---
Boron	ppm	ASTM D5185m		29	29	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		1	6	---
Manganese	ppm	ASTM D5185m		0	3	---
Magnesium	ppm	ASTM D5185m		706	829	---
Calcium	ppm	ASTM D5185m	2900	1256	1521	---
Phosphorus	ppm	ASTM D5185m	1100	655	745	---
Zinc	ppm	ASTM D5185m	1200	828	1004	---
Sulfur	ppm	ASTM D5185m	4000	2802	3465	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	20.5	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	6.2	5.7	---
Visc @ 100°C	cSt	ASTM D445	11.9	13.4	12.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0833244 **Received** : 11 Jan 2024
Lab Number : 06057670 **Diagnosed** : 12 Jan 2024
Unique Number : 10823619 **Diagnostician** : Sean Felton
Test Package : FLEET

LTI/MILKY WAY - MOSES
 120 WISER LANE
 MOSES LAKE, WA
 US 98837

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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)