OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
857-3658
Component
Diesel Engine
Fluid
CHEVRON DELO 400 SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

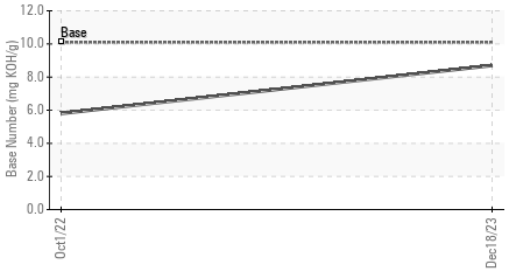
There is no indication of any contamination in the oil.

FLUID CONDITION

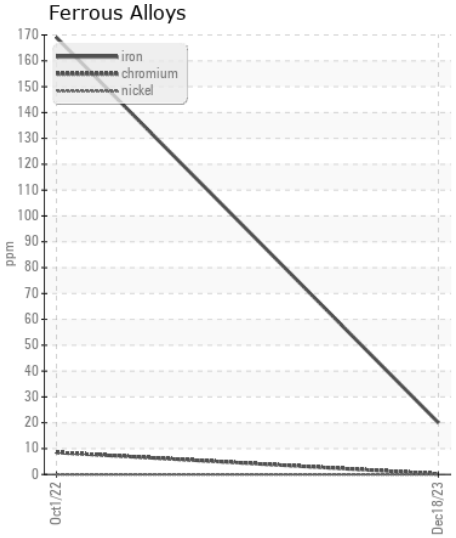
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0014017	RPL0005423	---
Sample Date		Client Info		18 Dec 2023	01 Oct 2022	---
Machine Age	hrs	Client Info		10679	269352	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>100	20	▲ 169	---
Chromium	ppm	ASTM D5185m	>20	<1	8	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	5	▲ 33	---
Lead	ppm	ASTM D5185m	>40	0	30	---
Copper	ppm	ASTM D5185m	>330	<1	9	---
Tin	ppm	ASTM D5185m	>15	0	3	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>25	7	▲ 69	---
Potassium	ppm	ASTM D5185m	>20	7	10	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.4	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	9.9	13.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6	29.4	---
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	---
Sodium	ppm	ASTM D5185m		<1	3	---
Boron	ppm	ASTM D5185m		43	43	---
Barium	ppm	ASTM D5185m		0	<1	---
Molybdenum	ppm	ASTM D5185m		39	22	---
Manganese	ppm	ASTM D5185m		0	3	---
Magnesium	ppm	ASTM D5185m		538	691	---
Calcium	ppm	ASTM D5185m		1611	1474	---
Phosphorus	ppm	ASTM D5185m	1260	763	720	---
Zinc	ppm	ASTM D5185m	1400	915	869	---
Sulfur	ppm	ASTM D5185m		2548	3274	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.7	25.4	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	8.7	5.8	---
Visc @ 100°C	cSt	ASTM D445	11.1	10.9	12.6	---

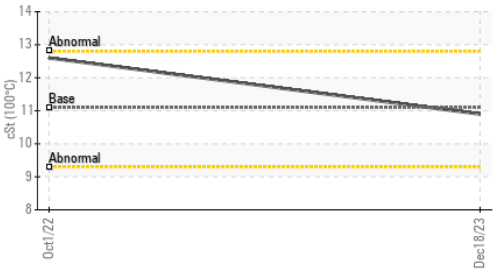
Base Number



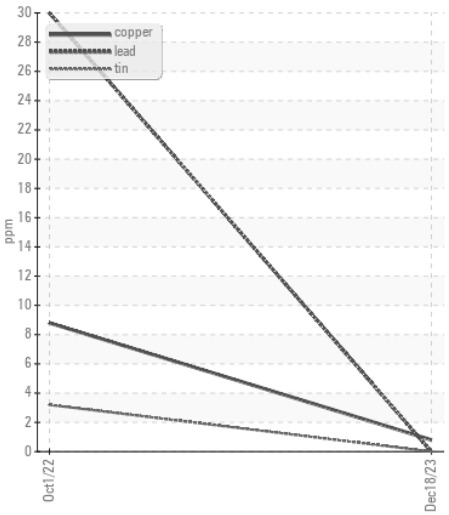
Ferrous Alloys



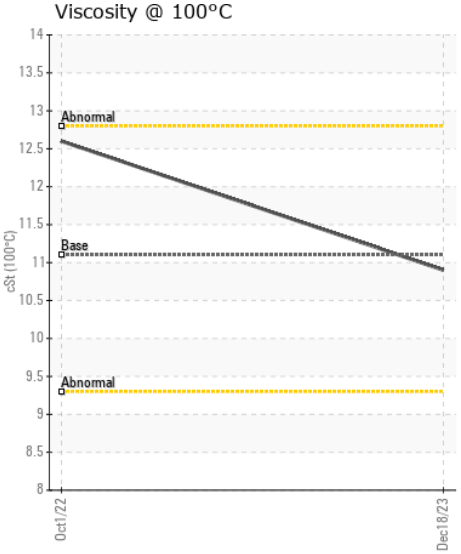
Viscosity @ 100°C



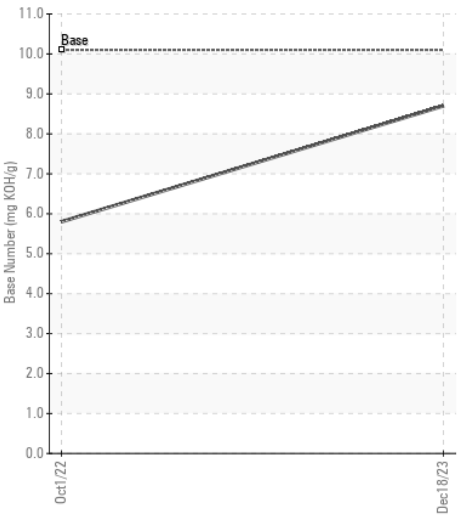
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0014017
Lab Number : 06056266
Unique Number : 10822215
Test Package : FLEET

Recieved : 10 Jan 2024
Diagnosed : 11 Jan 2024
Diagnostician : Wes Davis

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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