



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
RONALD L SENSENBACH
Machine Id
[RONALD L SENSENBACH] 007 685579-7
Component
Port Genset
Fluid
CHEVRON DELO 400 XLE 15W40 (6 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0058702	MW0058696	MW0058662
Sample Date		Client Info		20 Mar 2024	16 Feb 2024	04 Dec 2023
Machine Age	hrs	Client Info		15556	15113	14289
Oil Age	hrs	Client Info		443	401	398
Filter Age	hrs	Client Info		443	401	398
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	7	0	6
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>12	4	3	3
Lead	ppm	ASTM D5185m	>17	<1	1	0
Copper	ppm	ASTM D5185m	>70	3	<1	1
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
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.

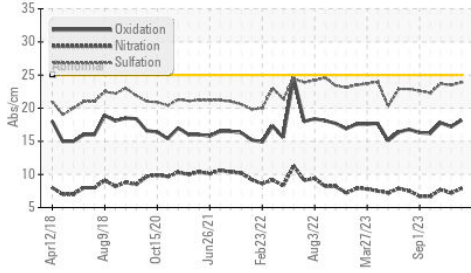
Silicon	ppm	ASTM D5185m	>25	5	6	6
Potassium	ppm	ASTM D5185m	>20	0	1	<1
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.4	0.4	0.4
Nitration	Abs/cm	*ASTM D7624	>20	7.9	7.2	7.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.9	23.5	23.7
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

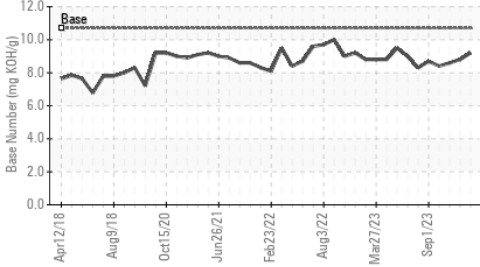
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		1	2	2
Boron	ppm	ASTM D5185m		344	411	356
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		133	135	133
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		708	699	670
Calcium	ppm	ASTM D5185m		1622	1686	1605
Phosphorus	ppm	ASTM D5185m	760	763	751	768
Zinc	ppm	ASTM D5185m	830	896	902	881
Sulfur	ppm	ASTM D5185m	2770	3058	2485	2669
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.2	17.2	17.8
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	9.2	8.8	8.6
Visc @ 100°C	cSt	ASTM D445	14.9	13.4	13.3	13.3

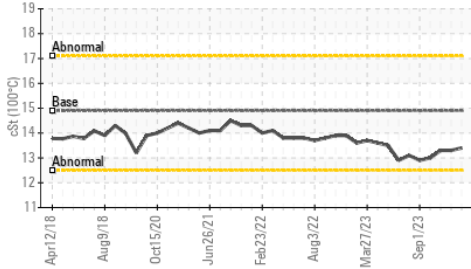
FT-IR (Direct Trend)



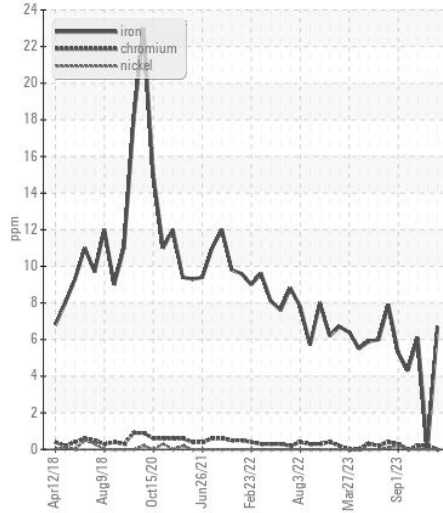
Base Number



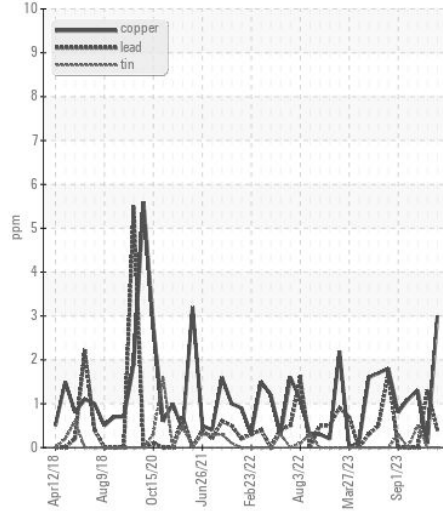
Viscosity @ 100°C



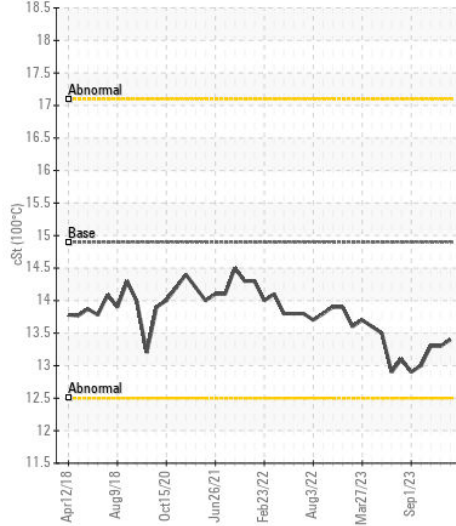
Ferrous Alloys



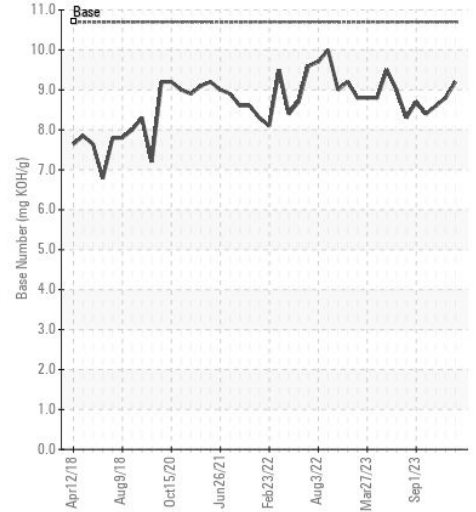
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : MW0058702

Lab Number : 06146507

Unique Number : 10976585

Test Package : MAR 2

Received : 11 Apr 2024

Tested : 12 Apr 2024

Diagnosed : 12 Apr 2024 - Wes Davis

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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)