



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
MARTY BASKERVILLE
Machine Id
[MARTY BASKERVILLE] 002 503208-2
Component
Center Main Engine
Fluid
CHEVRON DELO 710 LE (250 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0067844	MW0067842	MW0061317
Sample Date		Client Info		01 May 2024	01 Mar 2024	01 Feb 2024
Machine Age	hrs	Client Info		15003	13712	12997
Oil Age	hrs	Client Info		398	13712	12997
Filter Age	hrs	Client Info		0	164	229
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>75	25	21	18
Chromium	ppm	ASTM D5185m	>8	1	<1	<1
Nickel	ppm	ASTM D5185m	>2	2	1	<1
Titanium	ppm	ASTM D5185m	>3	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	1	0	0
Aluminum	ppm	ASTM D5185m	>15	3	3	2
Lead	ppm	ASTM D5185m	>18	7	7	7
Copper	ppm	ASTM D5185m	>80	25	27	22
Tin	ppm	ASTM D5185m	>14	8	9	8
Vanadium	ppm	ASTM D5185m		<1	<1	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.

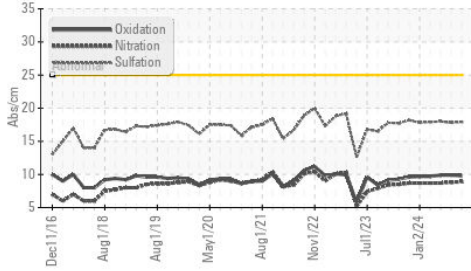
Silicon	ppm	ASTM D5185m	>20	7	7	6
Potassium	ppm	ASTM D5185m	>20	3	2	1
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.3	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	8.9	8.8	8.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.9	17.8	18.0
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

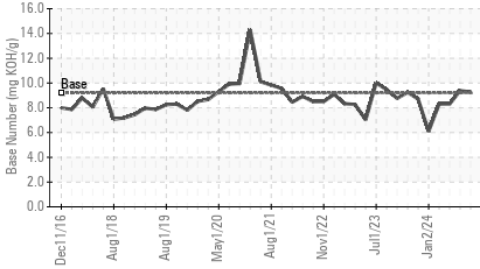
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>75	12	10	5
Boron	ppm	ASTM D5185m		45	46	38
Barium	ppm	ASTM D5185m		<1	1	0
Molybdenum	ppm	ASTM D5185m		52	51	46
Manganese	ppm	ASTM D5185m		3	3	2
Magnesium	ppm	ASTM D5185m		13	12	15
Calcium	ppm	ASTM D5185m		3887	3908	3435
Phosphorus	ppm	ASTM D5185m		21	8	6
Zinc	ppm	ASTM D5185m	10	10	6	3
Sulfur	ppm	ASTM D5185m		2715	2528	2217
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.8	9.9	9.9
Base Number (BN)	mg KOH/g	ASTM D2896	9.2	9.27	9.38	8.30
Visc @ 100°C	cSt	ASTM D445	15.5	15.0	14.8	14.8

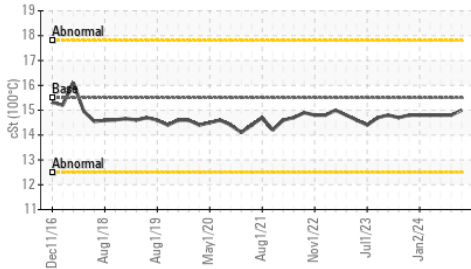
FT-IR (Direct Trend)



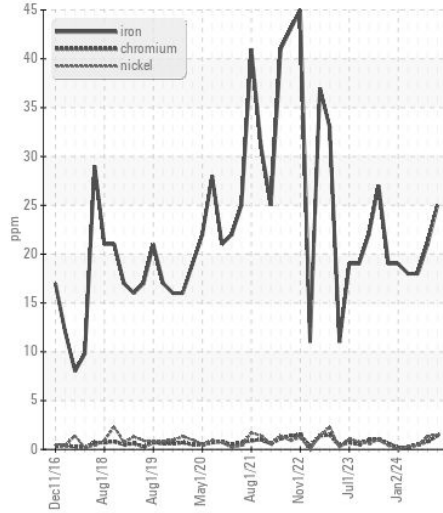
Base Number



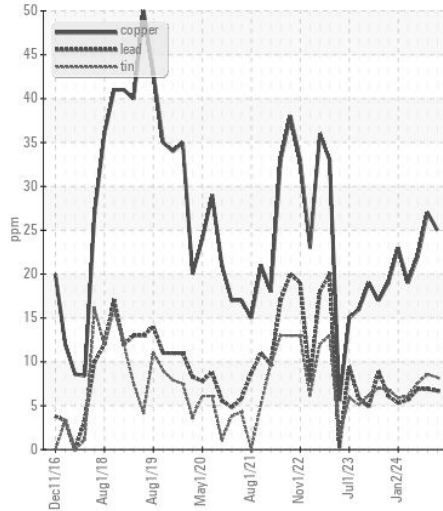
Viscosity @ 100°C



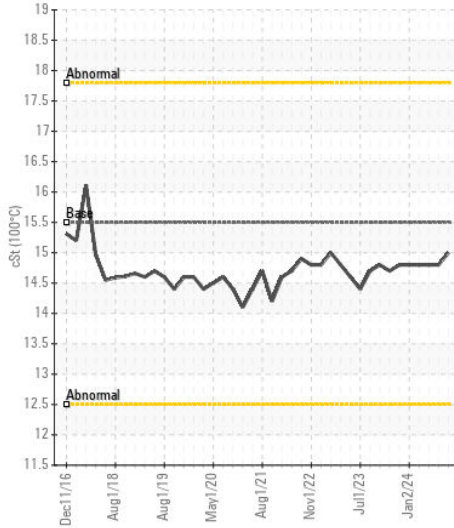
Ferrous Alloys



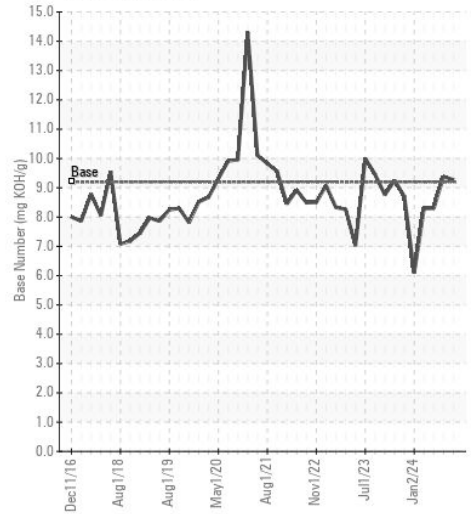
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0067844
Lab Number : 06191234
Unique Number : 11047986
Test Package : MAR 2
Received : 24 May 2024
Tested : 29 May 2024
Diagnosed : 29 May 2024 - Don Baldrige

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 900 S 3RD ST
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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)