



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
DMA
Machine Id
Component
DMA
Port Main Engine
Fluid
CHEVRON DELO 710 LS (300 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0065615	MW0010188	MW0010192
Sample Date		Client Info		29 Mar 2024	01 Jul 2022	12 May 2022
Machine Age	hrs	Client Info		2007	28144	26947
Oil Age	hrs	Client Info		2007	9352	8055
Filter Age	hrs	Client Info		1006	1186	1009
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>75	47	25	26
Chromium	ppm	ASTM D5185m	>8	<1	1	1
Nickel	ppm	ASTM D5185m	>2	0	1	<1
Titanium	ppm	ASTM D5185m	>3	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	1	3	3
Lead	ppm	ASTM D5185m	>18	17	8	9
Copper	ppm	ASTM D5185m	>80	38	26	26
Tin	ppm	ASTM D5185m	>14	9	6	7
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

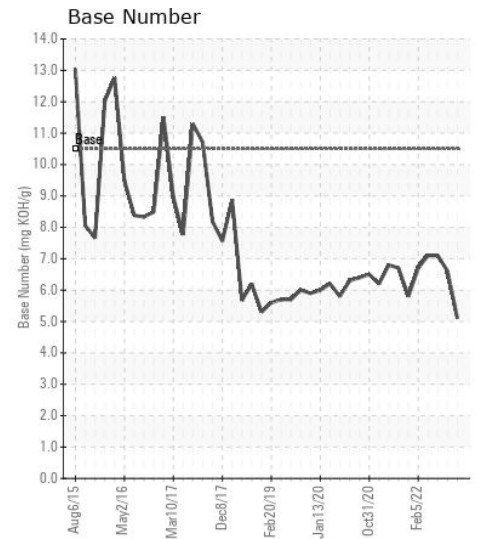
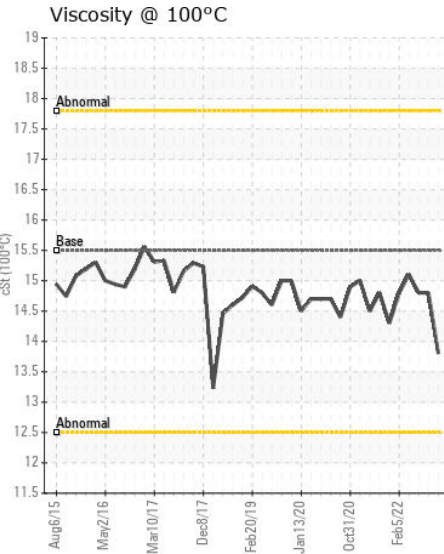
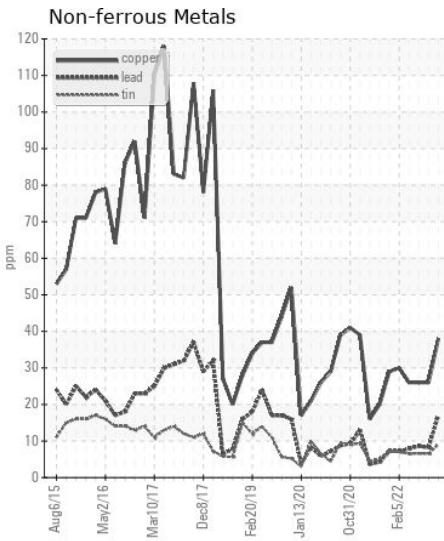
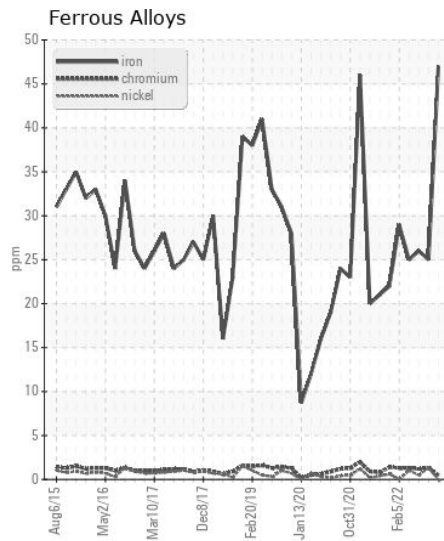
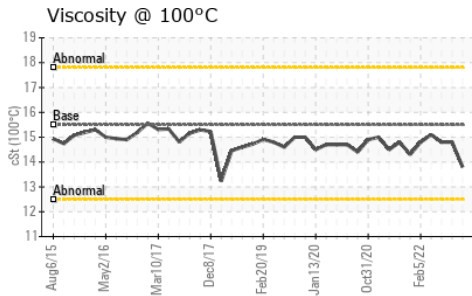
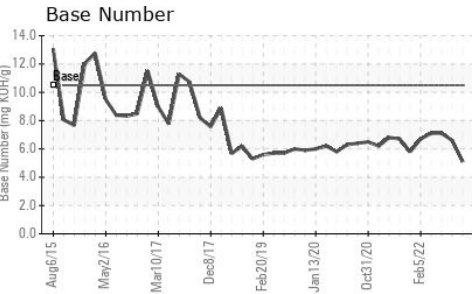
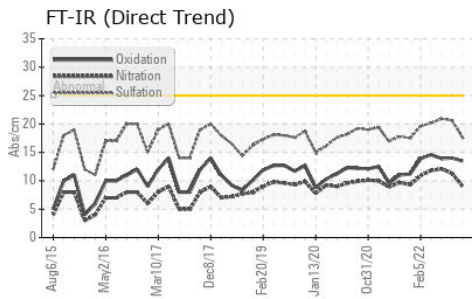
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	6	18	▲ 24
Potassium	ppm	ASTM D5185m	>20	<1	<1	2
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	0.1	0.5	0.3
Nitration	Abs/cm	*ASTM D7624	>20	9.0	11.3	12.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.6	20.6	20.9
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>75	3	● 72	● 130
Boron	ppm	ASTM D5185m		39	45	49
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		45	47	48
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m		13	21	19
Calcium	ppm	ASTM D5185m		3315	3698	3823
Phosphorus	ppm	ASTM D5185m		1	9	4
Zinc	ppm	ASTM D5185m		6	3	0
Sulfur	ppm	ASTM D5185m		2304	2509	2069
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.5	14.0	13.9
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	5.1	6.6	7.1
Visc @ 100°C	cSt	ASTM D445	15.5	13.8	14.8	14.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0065615
Lab Number : 06155755
Unique Number : 10991178
Test Package : MAR 2

Received : 22 Apr 2024
Tested : 23 Apr 2024
Diagnosed : 24 Apr 2024 - Don Baldrige

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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)