



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
MV PAUL T
Component
Port Reduction Gear
Fluid
CHEVRON 15W40 (30 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

Moderate concentration of visible dirt/debris present in the oil.

FLUID CONDITION

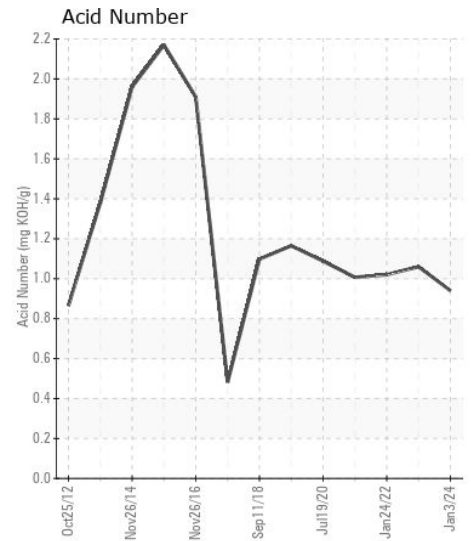
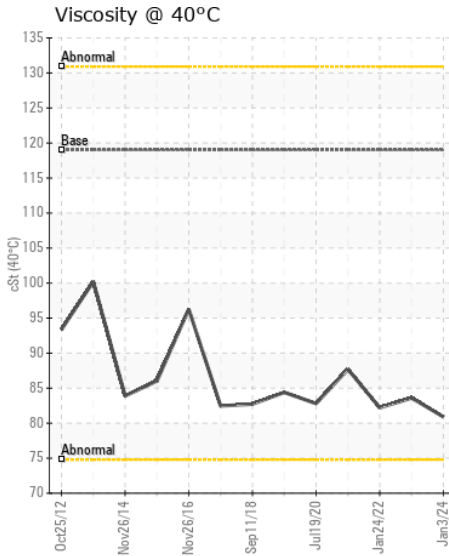
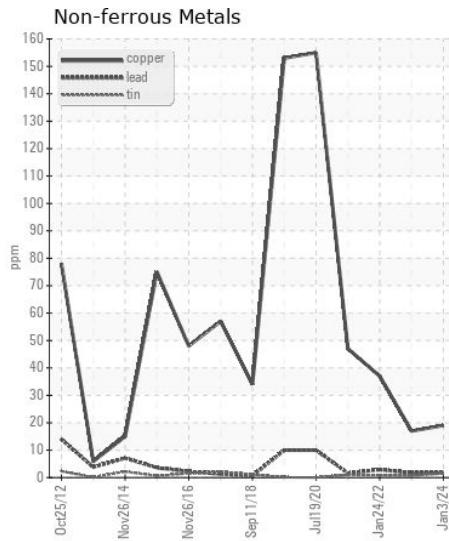
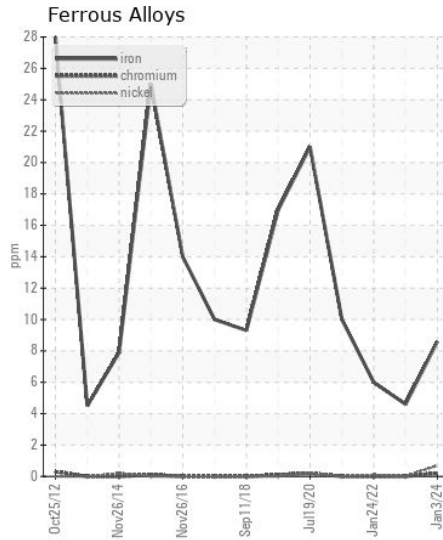
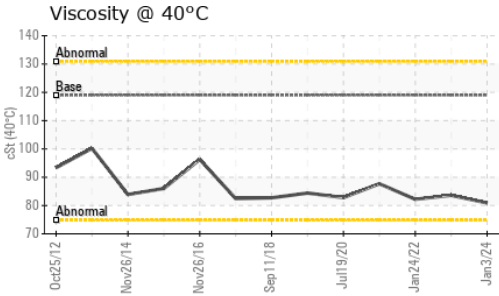
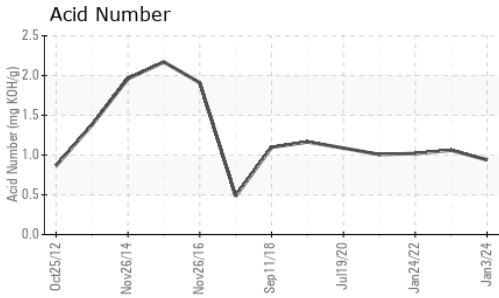
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0062747	MW0036746	MW0024861
Sample Date		Client Info		03 Jan 2024	22 Nov 2022	24 Jan 2022
Machine Age	hrs	Client Info		20118	18711	17769
Oil Age	hrs	Client Info		1500	0	1000
Filter Age	hrs	Client Info		1500	0	1000
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>150	9	5	6
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	11
Aluminum	ppm	ASTM D5185m	>25	2	2	2
Lead	ppm	ASTM D5185m	>100	2	2	3
Copper	ppm	ASTM D5185m	>50	19	17	37
Tin	ppm	ASTM D5185m	>10	2	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	MODER	NONE

Silicon	ppm	ASTM D5185m	>50	6	4	5
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	NONE	LIGHT
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

Sodium	ppm	ASTM D5185m	>50	0	1	1
Boron	ppm	ASTM D5185m		359	390	403
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		114	110	109
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		669	660	584
Calcium	ppm	ASTM D5185m		1457	1448	1373
Phosphorus	ppm	ASTM D5185m		736	733	734
Zinc	ppm	ASTM D5185m		857	865	848
Sulfur	ppm	ASTM D5185m		2844	3042	2301
Acid Number (AN)	mg KOH/g	ASTM D8045		0.94	1.06	1.02
Visc @ 40°C	cSt	ASTM D445	119	80.9	83.6	82.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0062747 **Received** : 08 Jan 2024
Lab Number : 06054993 **Diagnosed** : 10 Jan 2024
Unique Number : 10820942 **Diagnostician** : Sean Felton
Test Package : MAR 2

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)

C & B MARINE
 50 E RIVERCENTER BLVD, SUITE 1180
 COVINGTON, KY
 US 41011
 Contact: DAVID WESTRICH
 dwestrich@carlislebray.com
 T: (812)290-4063
 F: (859)655-7504