



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

ROBERT H BROWN

Machine Id

[ROBERT H BROWN] 004 536019-4

Component

Port Reduction Gear

Fluid

CHEVRON URSA SUPER PLUS 40 (8 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

The copper level is abnormal. All other component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

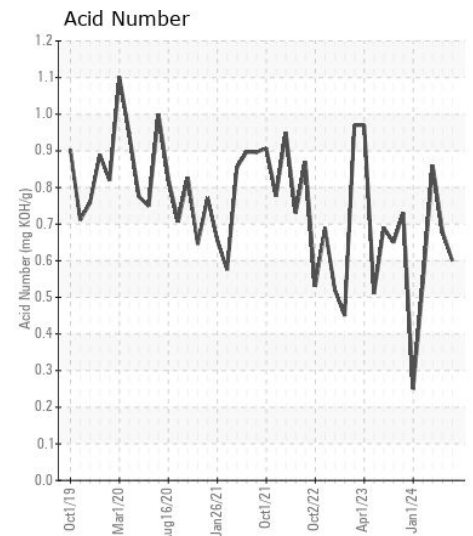
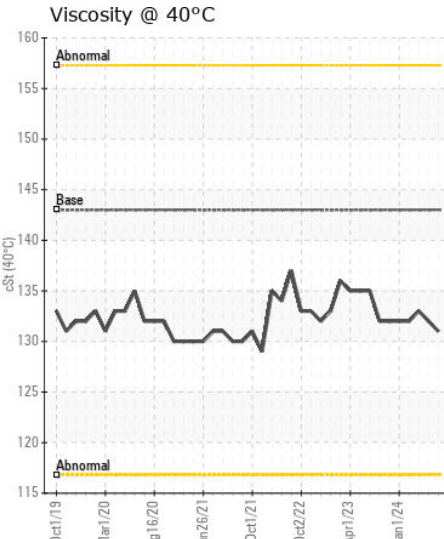
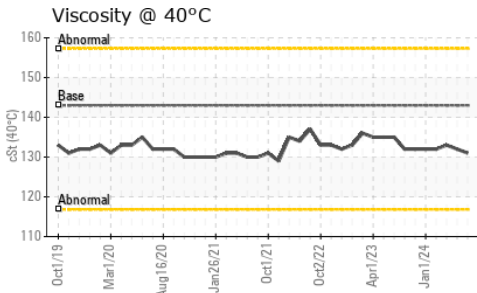
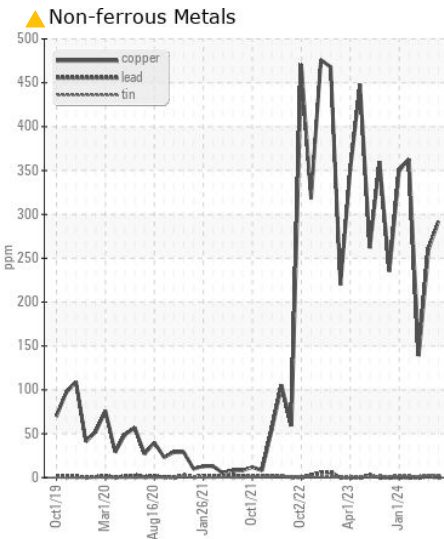
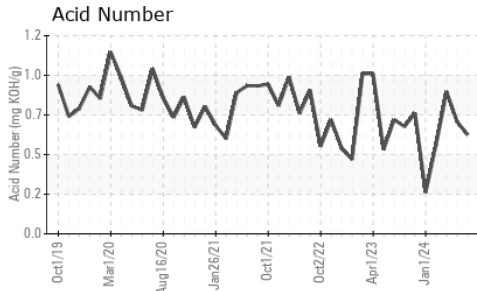
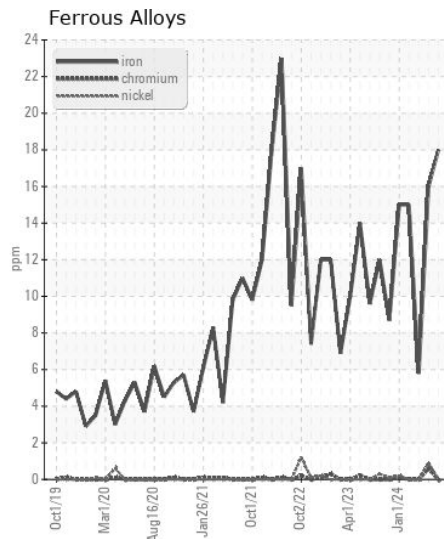
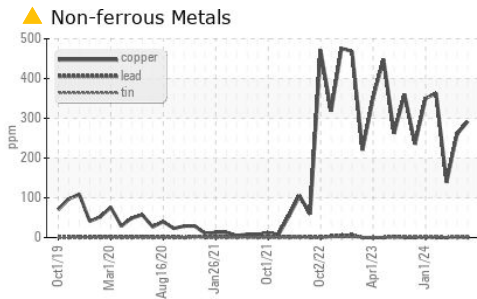
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0065800	MW0065880	MW0065883
Sample Date		Client Info		01 May 2024	05 Apr 2024	01 Mar 2024
Machine Age	hrs	Client Info		19298	18674	17816
Oil Age	hrs	Client Info		1686	1074	216
Filter Age	hrs	Client Info		1686	1074	216
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

Iron	ppm	ASTM D5185m	>150	18	16	6
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	0	1	1
Lead	ppm	ASTM D5185m	>100	0	1	0
Copper	ppm	ASTM D5185m	>50	▲ 292	▲ 260	▲ 139
Tin	ppm	ASTM D5185m	>10	2	3	1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	3	4	3
Potassium	ppm	ASTM D5185m	>20	0	2	<1
Water		WC Method	>0.1	NEG	NEG	NEG
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

Sodium	ppm	ASTM D5185m		3	<1	3
Boron	ppm	ASTM D5185m		406	379	347
Barium	ppm	ASTM D5185m		<1	<1	0
Molybdenum	ppm	ASTM D5185m		32	33	30
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		9	9	11
Calcium	ppm	ASTM D5185m		2491	2477	2303
Phosphorus	ppm	ASTM D5185m	1000	732	712	669
Zinc	ppm	ASTM D5185m	1090	763	744	747
Sulfur	ppm	ASTM D5185m		3209	2898	2588
Acid Number (AN)	mg KOH/g	ASTM D8045		0.60	0.68	0.86
Visc @ 40°C	cSt	ASTM D445	143	131	132	133



Certificate L2367

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

Sample No. : MW0065800

Lab Number : 06176194

Unique Number : 11022247

Test Package : MAR 2

Received : 10 May 2024

Tested : 13 May 2024

Diagnosed : 14 May 2024 - Sean Felton

INGRAM BARGE

900 S 3RD ST

PADUCAH, KY

US 42003

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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)