



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

BRIAN RAFFERTY

Machine Id

[BRIAN RAFFERTY] 004 566616-4

Component

Port Reduction Gear

Fluid

CHEVRON MEROPA 320 (135 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

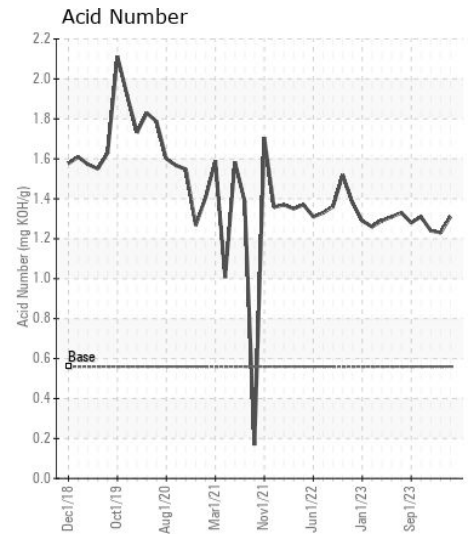
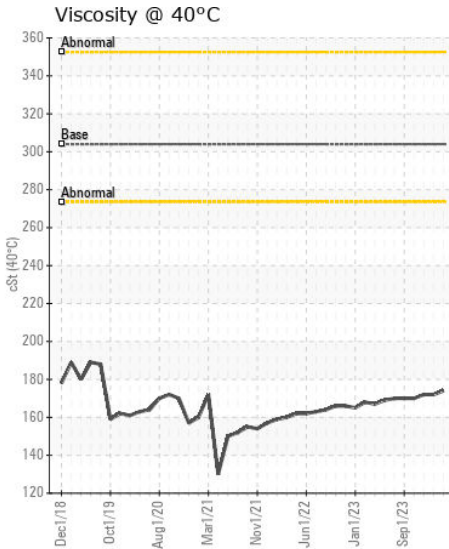
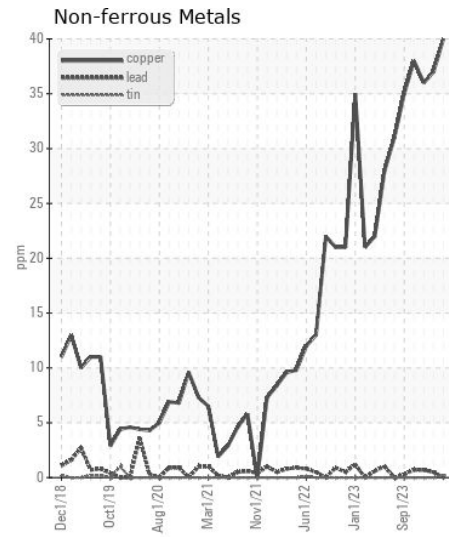
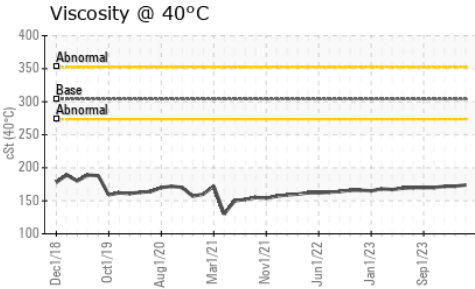
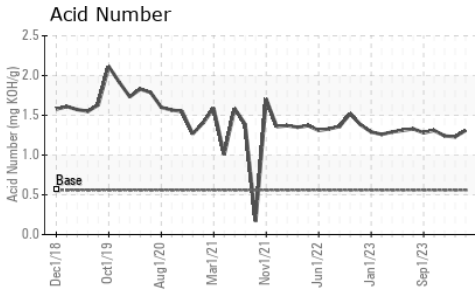
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0062794	MW0055653	MW0049492
Sample Date		Client Info		05 Jan 2024	01 Dec 2023	01 Nov 2023
Machine Age	hrs	Client Info		30743	27119	26327
Oil Age	hrs	Client Info		30743	27119	26327
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	None	N/A
Sample Status				NORMAL	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>150	115	109	110
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	18	17	17
Lead	ppm	ASTM D5185m	>100	0	<1	<1
Copper	ppm	ASTM D5185m	>50	40	37	36
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	23	22	22
Potassium	ppm	ASTM D5185m	>20	0	3	2
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		10	9	9
Boron	ppm	ASTM D5185m	20	8	9	1
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m	0	246	247	246
Manganese	ppm	ASTM D5185m		1	1	1
Magnesium	ppm	ASTM D5185m		6	4	4
Calcium	ppm	ASTM D5185m	25	50	52	74
Phosphorus	ppm	ASTM D5185m	235	761	702	683
Zinc	ppm	ASTM D5185m		59	44	44
Sulfur	ppm	ASTM D5185m		22468	18161	19619
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	1.31	1.23	1.24
Visc @ 40°C	cSt	ASTM D445	304	174	172	172



Certificate L2367

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

Sample No. : MW0062794

Lab Number : 06176186

Unique Number : 11022239

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

Contact: RANDAL KEEN

randal.keen@ingrambargo.com

T:

F: (615)695-3697

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)