



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
CDU
Machine Id
CDU
Component
Center Reduction Gear
Fluid
CHEVRON MEROPA 320 (250 GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0060964	MW0055009	MW0022727
Sample Date		Client Info		07 Jan 2024	06 Oct 2023	03 Feb 2023
Machine Age	hrs	Client Info		89346	87165	82451
Oil Age	hrs	Client Info		20843	18662	13948
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		None	N/A	None
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

Gear wear is indicated. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	▲ 213	▲ 234	▲ 201
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	2	<1
Lead	ppm	ASTM D5185m	>100	4	4	3
Copper	ppm	ASTM D5185m	>50	25	26	23
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<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.

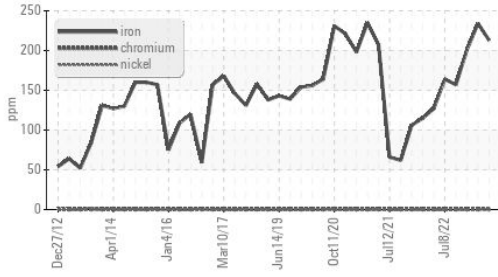
Silicon	ppm	ASTM D5185m	>50	7	7	6
Potassium	ppm	ASTM D5185m	>20	6	6	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

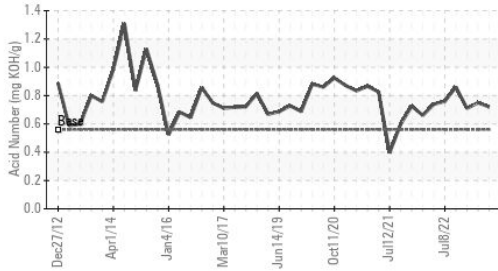
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		63	56	49
Boron	ppm	ASTM D5185m	20	9	6	5
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	3	3
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		8	6	4
Calcium	ppm	ASTM D5185m	25	100	82	72
Phosphorus	ppm	ASTM D5185m	235	224	227	202
Zinc	ppm	ASTM D5185m		7	0	6
Sulfur	ppm	ASTM D5185m		6299	6032	5448
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	0.72	0.75	0.71
Visc @ 40°C	cSt	ASTM D445	304	305	318	315

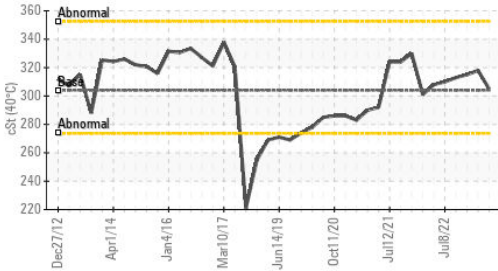
▲ Ferrous Alloys



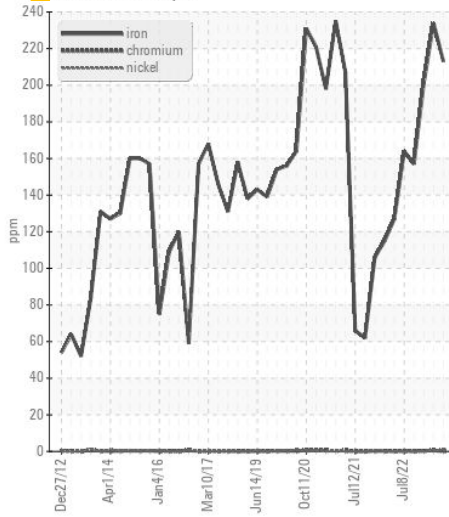
Acid Number



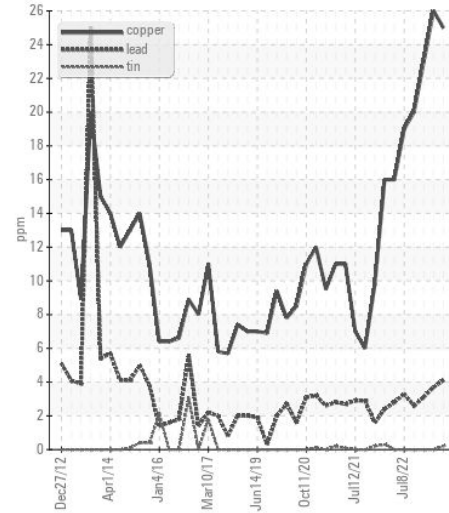
Viscosity @ 40°C



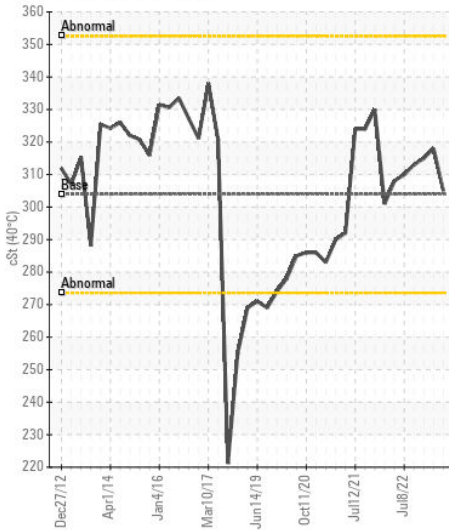
▲ Ferrous Alloys



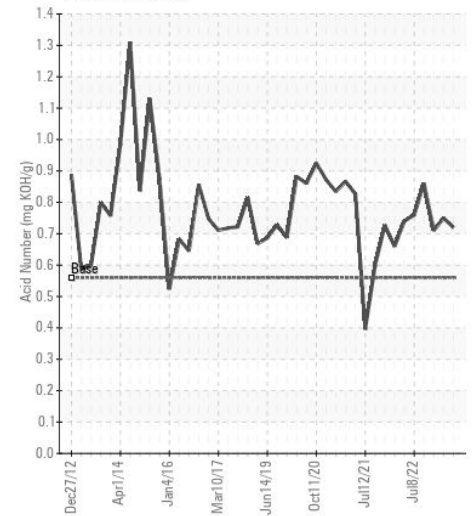
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0060964 **Received** : 30 Jan 2024
Lab Number : 06074968 **Diagnosed** : 01 Feb 2024
Unique Number : 10857059 **Diagnostician** : Don Baldrige
Test Package : MAR 2

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 US 63111
 Contact: BRIAN GRIEWING
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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)