



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
CEN
Machine Id
CEN
Component
Port Reduction Gear
Fluid
CHEVRON MEROPA 320 (150 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0060909	MW0025538	MW0025513
Sample Date		Client Info		22 Dec 2023	22 Sep 2023	29 Mar 2022
Machine Age	hrs	Client Info		19251	3599	0
Oil Age	hrs	Client Info		4626	0	0
Filter Age	hrs	Client Info		4626	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	61	64	62
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	0
Lead	ppm	ASTM D5185m	>100	0	<1	<1
Copper	ppm	ASTM D5185m	>50	4	5	5
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

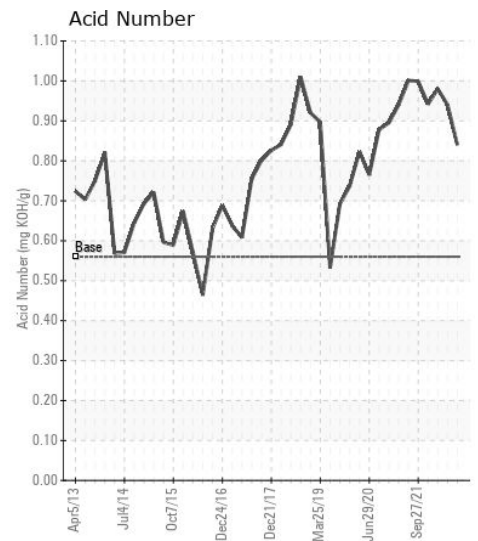
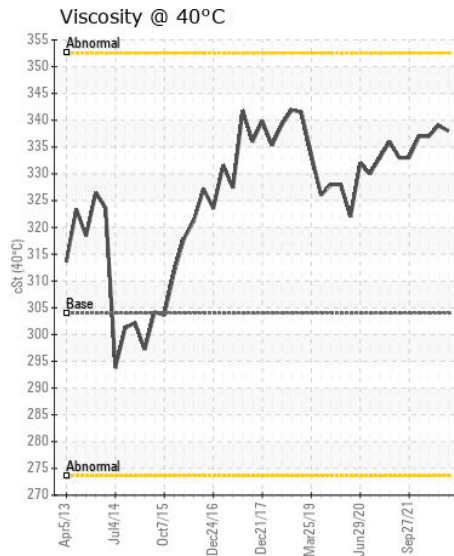
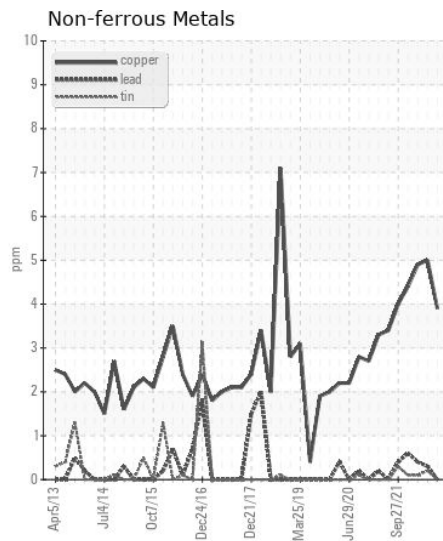
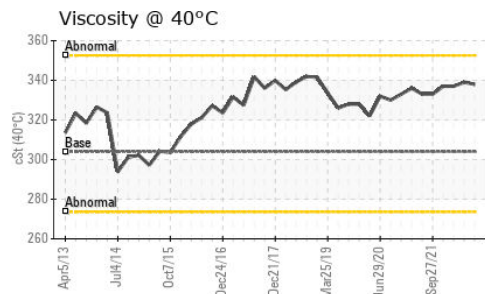
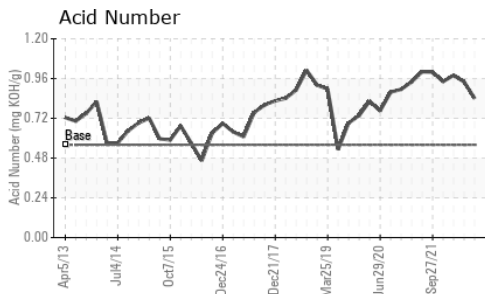
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	0	<1	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	VLITE
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		2	5	0
Boron	ppm	ASTM D5185m	20	4	4	4
Barium	ppm	ASTM D5185m		3	1	0
Molybdenum	ppm	ASTM D5185m	0	8	8	11
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		0	0	1
Calcium	ppm	ASTM D5185m	25	19	23	27
Phosphorus	ppm	ASTM D5185m	235	237	225	224
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		7193	7374	5710
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	0.84	0.94	0.98
Visc @ 40°C	cSt	ASTM D445	304	338	339	337



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0060909
Lab Number : 06082694
Unique Number : 10870139
Test Package : MAR 2

Received : 07 Feb 2024
Tested : 08 Feb 2024
Diagnosed : 08 Feb 2024 - Wes Davis

AMERICAN RIVER TRANSPORTATION CO.
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 US 63111
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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)