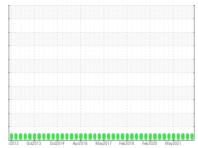


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id Component **Starboard Reduction Gear CHEVRON MEROPA 320 (150 GAL)**

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

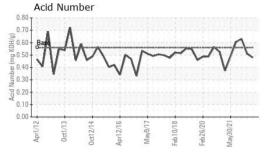
Fluid Condition

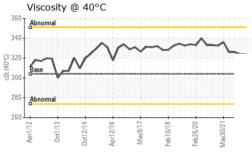
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

-2012									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		MW0043604	MW0031374	MW0022582			
Sample Date		Client Info		27 Sep 2022	03 Apr 2022	29 Nov 2021			
Machine Age	hrs	Client Info		0	0	0			
Oil Age	hrs	Client Info		8916	4687	2939			
Oil Changed		Client Info		Not Changd	Not Changd	N/A			
Sample Status				NORMAL	NORMAL	NORMAL			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>150	19	10	13			
Chromium	ppm	ASTM D5185m	>10	0	0	0			
Nickel	ppm	ASTM D5185m	>10	0	0	0			
Titanium	ppm	ASTM D5185m		0	0	0			
Silver	ppm	ASTM D5185m		0	0	0			
Aluminum	ppm	ASTM D5185m	>25	<1	0	<1			
_ead	ppm	ASTM D5185m	>100	0	0	0			
Copper	ppm	ASTM D5185m	>50	1	<1	<1			
Tin	ppm	ASTM D5185m	>10	0	0	0			
Antimony	ppm	ASTM D5185m	-10			0			
√anadium		ASTM D5185m		0	0	0			
	ppm			0					
Cadmium	ppm	ASTM D5185m			0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	20	6	14	13			
Barium	ppm	ASTM D5185m		0	0	0			
Molybdenum	ppm	ASTM D5185m	0	2	<1	<1			
Manganese	ppm	ASTM D5185m		<1	0	<1			
Magnesium	ppm	ASTM D5185m		0	<1	0			
Calcium	ppm	ASTM D5185m	25	4	4	2			
Phosphorus	ppm	ASTM D5185m	235	212	205	243			
Zinc	ppm	ASTM D5185m		0	0	0			
Sulfur	ppm	ASTM D5185m		7769	5309	5790			
CONTAMINANTS		method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>50	<1	0	<1			
Sodium	ppm	ASTM D5185m		0	0	1			
Potassium	ppm	ASTM D5185m	>20	2	2	0			
FLUID DEGRADA	TION	method	limit/base	current	history1	history2			
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	0.48	0.51	0.629			
VISUAL		method	limit/base	current	history1	history2			
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE			
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE			
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE			
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			
Eras Matar		*\/:		NEC		MINIGHT AMES A			

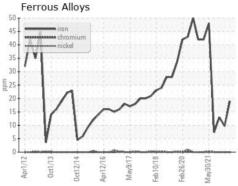


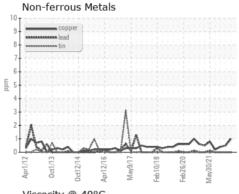
OIL ANALYSIS REPORT

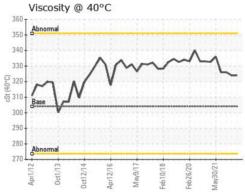


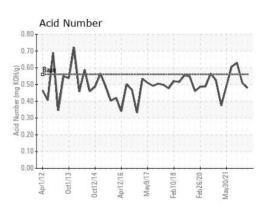


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	304	324	324	326
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image













Certificate L2367

Laboratory Sample No. Test Package : MAR 2

Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : MW0043604 : 05671010 : 10180580

Diagnosed

Received : 19 Oct 2022 : 20 Oct 2022 Diagnostician : Wes Davis

AMERICAN RIVER TRANSPORTATION CO.

P.O. BOX 2889 ST. LOUIS, MO US 63111

F: (314)481-5278

Contact: BRIAN GRIEWING brian.griewing@adm.com

T:

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)

Contact/Location: BRIAN GRIEWING - AMESAI