



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CJL
Component
4 Slewing Gearbox
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

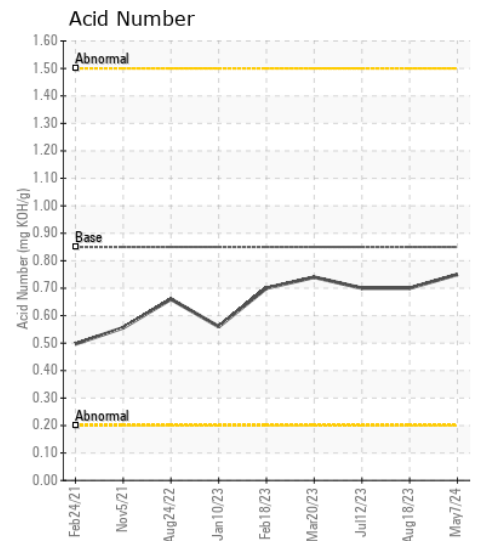
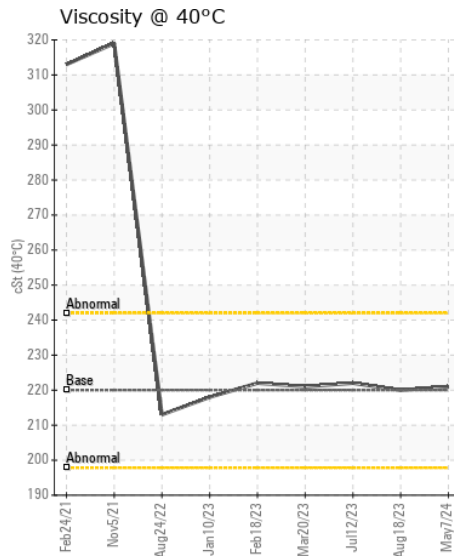
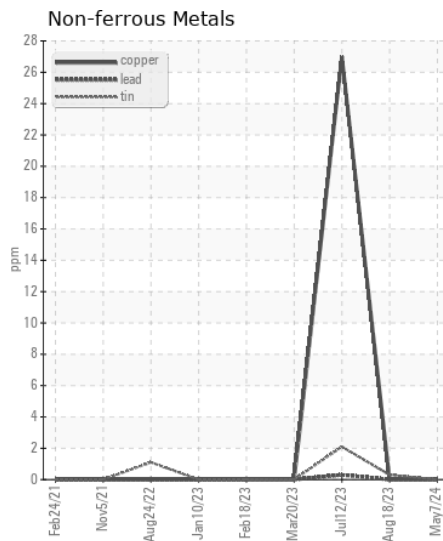
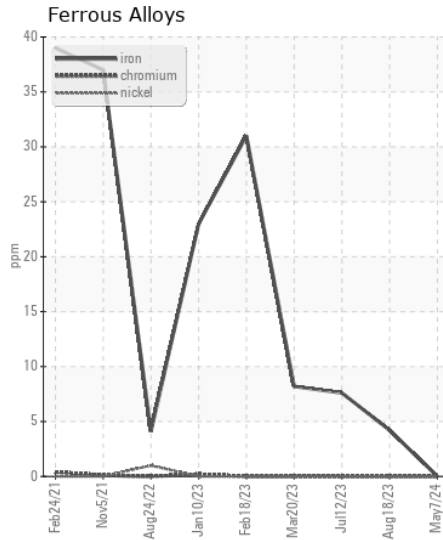
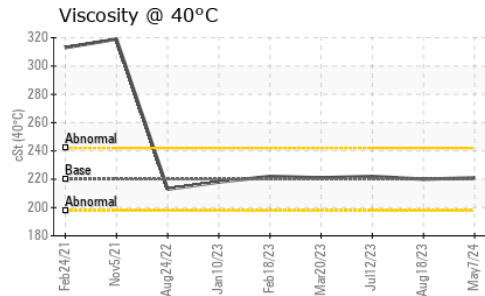
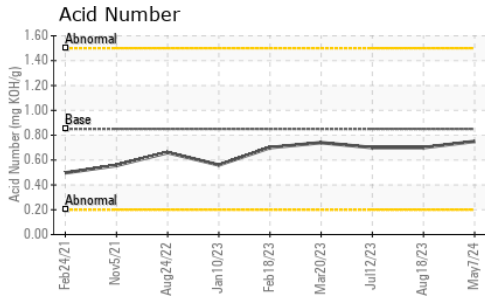
CONTAMINATION

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		MW0064910	MW0052294	MW0052222
Sample Date		Client Info		07 May 2024	18 Aug 2023	12 Jul 2023
Machine Age	hrs	Client Info		27907	26498	26350
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>50	0	4	8
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	4	0
Aluminum	ppm	ASTM D5185m		0	<1	<1
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>10	0	0	▲ 27
Tin	ppm	ASTM D5185m	>10	0	<1	2
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	4	0	<1
Potassium	ppm	ASTM D5185m	>20	2	1	0
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		1	0	<1
Boron	ppm	ASTM D5185m	50	27	33	33
Barium	ppm	ASTM D5185m	15	0	0	0
Molybdenum	ppm	ASTM D5185m	15	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	50	0	0	0
Calcium	ppm	ASTM D5185m	50	0	4	5
Phosphorus	ppm	ASTM D5185m	350	260	258	245
Zinc	ppm	ASTM D5185m	100	0	0	0
Sulfur	ppm	ASTM D5185m	12500	9665	8333	7845
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.75	0.70	0.70
Visc @ 40°C	cSt	ASTM D445	220	221	220	222



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0064910
Lab Number : 06214909
Unique Number : 11087773
Test Package : MAR 2

AMERICAN RIVER TRANSPORTATION CO.
 P.O. BOX 2889
 ST. LOUIS, MO
 US 63111
 Contact: BRIAN GRIEWING
 brian.griewing@adm.com

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)

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