

### **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

## KALMAR 5605

Component Rear Axle Fluid {not provided} (--- GAL)

### DIAGNOSIS

#### A Recommendation

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

#### 🔺 Wear

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

#### Contamination

The water content is negligible. No other contaminants were detected in the oil.

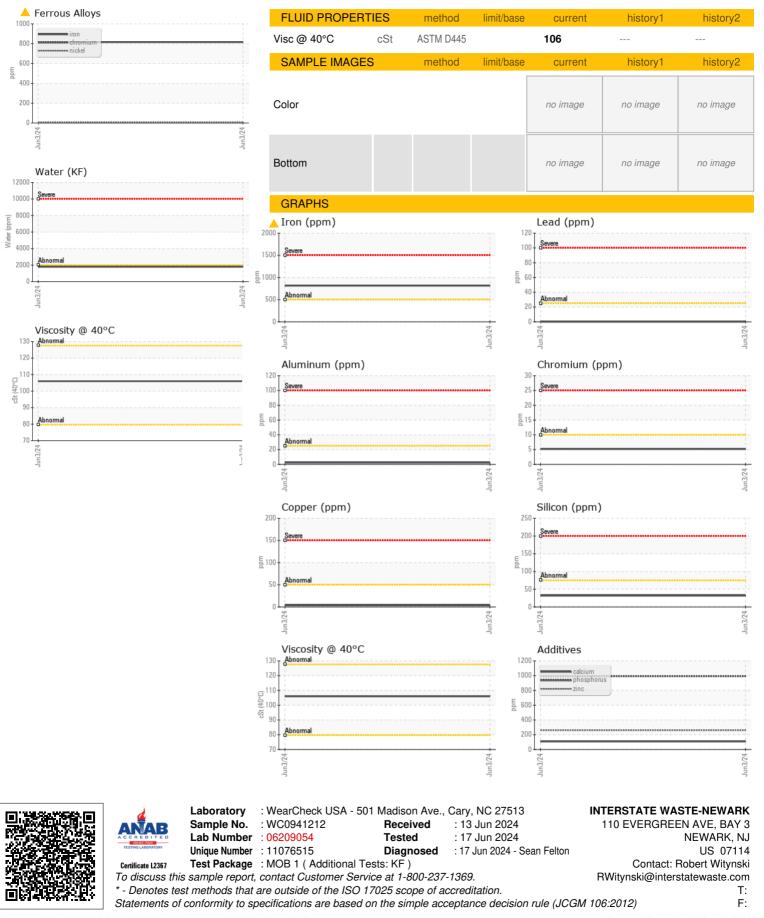
#### Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0941212		
Sample Date		Client Info		03 Jun 2024		
Machine Age	hrs	Client Info		25284		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>A</b> 816		
Chromium	ppm	ASTM D5185m	>10	5		
Nickel	ppm	ASTM D5185m	>10	1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	= <1		
Copper	ppm	ASTM D5185m	>50	4		
Tin	ppm	ASTM D5185m	>10	1		
Vanadium		ASTM D5185m	~10	0		
Cadmium	ppm ppm	ASTM D5185m		۰ ۱		
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ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		33		
Barium	ppm	ASTM D5185m		0		
Volybdenum	ppm	ASTM D5185m		8		
Vanganese	ppm	ASTM D5185m		33		
Magnesium	ppm	ASTM D5185m		7		
Calcium	ppm	ASTM D5185m		109		
Phosphorus	ppm	ASTM D5185m		993		
Zinc	ppm	ASTM D5185m		261		
Sulfur	ppm	ASTM D5185m		26808		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	32		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304		_ 0.179		
opm Water	ppm	ASTM D6304		1790		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	HAZY		
Odor	scalar	*Visual	NORML	NORML		
5401	Scaldi	visual	NORM	NORML		
	ooclar	*\/ioural	.00	0.00/		
Emulsified Water Free Water	scalar scalar	*Visual *Visual	>0.2	0.2% NEG		



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