

## **OIL ANALYSIS REPORT**

Sample Rating Trend



### Machine Id **GENCOR BAG HOUSE CROSS** Gearbox

Fluid GEAR OIL ISO 220 (5 GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL ISO 220. Please confirm.

Please specify the component make and model with your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

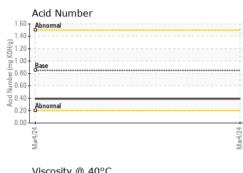
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SS CONVE	YOR					
				Mar2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0087870		
Sample Date		Client Info		04 Mar 2024		
Machine Age	yrs	Client Info		4		
Oil Age	yrs	Client Info Client Info		2 Changed		
Oil Changed Sample Status		Cilent Inio		Changed NORMAL		
				-		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	12		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	0.5	0		
Aluminum	ppm	ASTM D5185m		0		
Lead	ppm	ASTM D5185m ASTM D5185m	>50 >200	0		
Copper Tin	ppm ppm	ASTM D5185m	>200	۰ <1		
Vanadium	ppm	ASTM D5185m	210	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	61		
Barium	ppm	ASTM D5185m	15	0		
Molybdenum	ppm	ASTM D5185m	15	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	50	12		
Calcium	ppm	ASTM D5185m	50	3		
Phosphorus	ppm	ASTM D5185m	350	264		
Zinc	ppm	ASTM D5185m	100	6		
Sulfur	ppm	ASTM D5185m	12500	6954		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	9		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.39		



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VISUAL





	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		
24	Appearance	scalar	*Visual	NORML	NORML		
Mar4/24	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
				>0.2			
	Free Water	scalar	*Visual		NEG		
	FLUID PROPE	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	220	200		
	SAMPLE IMAG	ES	method	limit/base	current	history1	history2
Mark24 +	Color					no image	no image
	Bottom				a. ().	• no image	no image
	Non-ferrous Metal	s		Mar4/24			
	a copper a copper a copper b copper b copper b copper b copper b copper			Mar4/24 A			
	Viscosity @ 40°C				Acid Numbe	r	
	250 240 Abnormal			<sup>⊋2.00</sup>			
				9 1.50	) - Abnormal		
	€ 230 € 220 8 210			ຍັ 1.00	Base		
	200 Abnormal			(B)HQ 1.50 B) 1.50 B) 1.00 B)	Abnormal		
	190				24		
	Mar4/24			Mar4/24	Mar4/24		
Laboratory Sample No. Lab Number	: PCA0087870	Recei	Madison Ave., Cary, NC 27513 <b>Received</b> : 08 Apr 2024 <b>Tested</b> : 09 Apr 2024 <b>Diagnosed</b> : 09 Apr 2024 - Wes Davis <i>e at 1-800-237-1369.</i>			KARTECHNE N11829 COUNTY R WAUPUN, US 539 Contact: DAVE KARTECHNI	

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Contact/Location: DAVE KARTECHNER - KARWAU

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