

# **OIL ANALYSIS REPORT**

Sample Rating Trend



#### Area 7202 Machine To 722-SCBL-GBX Component Gearbox Fluid GEAR OIL ISO 220 (3 GAL)

# DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. 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.

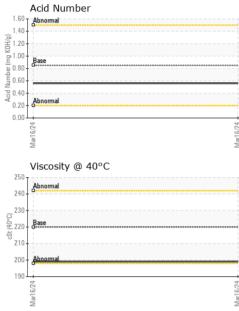
#### Fluid Condition

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

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0071521		
Sample Date		Client Info		16 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				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	29		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	0		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	6		
Barium	ppm	ASTM D5185m	15	1		
Molybdenum	ppm	ASTM D5185m	15	2		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	50	<1		
Calcium	ppm	ASTM D5185m	50	40		
Phosphorus	ppm	ASTM D5185m	350	329		
Zinc	ppm	ASTM D5185m	100	14		
Sulfur	ppm	ASTM D5185m	12500	8414		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1		
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	0.56		



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	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		
Mar16/24	Appearance	scalar	*Visual	NORML	NORML		
Mar	Odor	scalar '	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>0.2	NEG		
	Free Water	scalar '	*Visual		NEG		
	FLUID PROP	ERTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt /	ASTM D445	220	199		
	SAMPLE IMA	GES	method	limit/base	current	history1	history2
Marl 6,24 +	Color					no image	no image
	Bottom					no image	no image
	Non-ferrous Meta			Mar16/24 Mar16/24 6.0 Mar16/24	Acid Number		
	200 - Abnormal				Abnormal		
	Mar16/24			Mar16/24	an 16/24 -		
cate 12367 Unique Number	: WearCheck USA - 5 : PCA0071521 r : 06137575 er : 10957040 le : IND 2	Receiv Tested Diagno	ed : 03 : 04 osed : 04	r, NC 27513 3 Apr 2024 4 Apr 2024 4 Apr 2024 - V	<b>WORTHINGTON INDUSTRIE</b> 100 WORTHINGTON D PORTER, II		
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